Gene No.	32591	Strand	+
Start	137	End	935
Name	OJ990827_16.9A21.C9.o1.gs	Method	GENSCAN
Start	137	End	935
GI	none	Score	.52
Exons	137..399, 817..935		

Seq. No.	15364	Seq. ID	OJ990827_16.9A21.C9
Gene No.	32592	Strand	-
Start	1	End	1034
Name	OJ990827_16.9A21.C9.o1.np	Method	AAT/NAP
Start	1	End	1034
GI	6539588	Score	191
Exons	1..35, 713..1034		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	15365	Seq. ID	OJ990727_05.9A26.C3
Gene No.	32593	Strand	+
Start	1193	End	1534
Name	OJ990727_05.9A26.C3.o1.gs	Method	GENSCAN
Start	1193	End	1306
GI	none	Score	.99
Exons	1193..1306		

Seq. No.	15365	Seq. ID	OJ990727_05.9A26.C3
Gene No.	32593	Strand	+
Start	1193	End	1534
Name	OJ990727_05.9A26.C3.o1.np	Method	AAT/NAP
Start	1193	End	1297
GI	6682226	Score	181
Exons	1193..1297		
GI Descrip.	(AC016661) unknown protein [Arabidopsis thaliana]		

Seq. No.	15365	Seq. ID	OJ990727_05.9A26.C3
Gene No.	32593	Strand	+
Start	1193	End	1534
Name	OJ990727_05.9A26.C3.o1.gp	Method	AAT/GAP
Start	1199	End	1534
GI	15570_1.R1084	Score	594
Exons	1199..1534		
GI Descrip.	'4006835/gb\|AAC95177.1\| 2.0e-13 (AC005970) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	15365	Seq. ID	OJ990727_05.9A26.C3
Gene No.	32594	Strand	+
Start	2417	End	7595
Name	OJ990727_05.9A26.C3.o2.gp	Method	AAT/GAP
Start	1997	End	2375
GI	2427642	Score	721
Exons	1997..2375		

Seq. No.	15365	Seq. ID	OJ990727_05.9A26.C3
Gene No.	32594	Strand	+
Start	2417	End	7595
Name	OJ990727_05.9A26.C3.o2.gs	Method	GENSCAN
Start	2417	End	4312
GI	none	Score	.85

Exons	2417..3545, 4257..4312		
Seq. No.	15365	Seq. ID	OJ990727_05.9A26.C3
Gene No.	32594	Strand	+
Start	2417	End	7595
Name	OJ990727_05.9A26.C3.o3.gp	Method	AAT/GAP
Start	3560	End	7595
GI	4879971	Score	98
Exons	3560..3593, 7538..7595		
Seq. No.	15365	Seq. ID	OJ990727_05.9A26.C3
Gene No.	32595	Strand	+
Start	16835	End	18821
Name	OJ990727_05.9A26.C3.o5.gs	Method	GENSCAN
Start	16835	End	18821
GI	none	Score	.91
Exons	16835..16868, 18562..18821		
Seq. No.	15365	Seq. ID	OJ990727_05.9A26.C3
Gene No.	32596	Strand	+
Start	22119	End	23993
Name	OJ990727_05.9A26.C3.o3.np	Method	AAT/NAP
Start	21928	End	23903
GI	6598842	Score	656
Exons	21928..22089, 22211..23903		
GI Descrip.	(AC010795) unknown protein [Arabidopsis thaliana]		
Seq. No.	15365	Seq. ID	OJ990727_05.9A26.C3
Gene No.	32596	Strand	+
Start	22119	End	23993
Name	OJ990727_05.9A26.C3.o7.gs	Method	GENSCAN
Start	22119	End	23993
GI	none	Score	.97
Exons	22119..23993		
Seq. No.	15365	Seq. ID	OJ990727_05.9A26.C3
Gene No.	32596	Strand	+
Start	22119	End	23993
Name	OJ990727_05.9A26.C3.o4.gp	Method	AAT/GAP
Start	23210	End	23783
GI	2800419	Score	908
Exons	23210..23783		
GI Descrip.	4006835/gb\|AAC95177.1\| 2.0e-13 (AC005970) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	15365	Seq. ID	OJ990727_05.9A26.C3
Gene No.	32597	Strand	+
Start	27711	End	27881
Name	OJ990727_05.9A26.C3.o5.gp	Method	AAT/GAP
Start	27711	End	27881
GI	53833_1.R1084	Score	296
Exons	27711..27881		
GI Descrip.	'4103635 2.0e-15 (AF026538) ABA-responsive protein [Hordeum vulgare]'		
Seq. No.	15365	Seq. ID	OJ990727_05.9A26.C3
Gene No.	32598	Strand	-

Start	13209	End	14970
Name	OJ990727_05.9A26.C3.o2.np	Method	AAT/NAP
Start	13206	End	14803
GI	1770190	Score	461
Exons	13206..13454, 13545..13662, 13772..13980, 14072..14167, 14274..14360, 14659..14803		
GI Descrip.	(Y10162) cyclin-D like protein [Chenopodium rubrum]		

Seq. No.	15365	Seq. ID	OJ990727_05.9A26.C3
Gene No.	32598	Strand	-
Start	13209	End	14970
Name	OJ990727_05.9A26.C3.o4.gs	Method	GENSCAN
Start	13209	End	14970
GI	none	Score	.77
Exons	13209..13454, 13545..13669, 13779..13980, 14072..14170, 14274..14360, 14659..14970		

Seq. No.	15365	Seq. ID	OJ990727_05.9A26.C3
Gene No.	32599	Strand	-
Start	20417	End	21271
Name	OJ990727_05.9A26.C3.o6.gs	Method	GENSCAN
Start	20417	End	21271
GI	none	Score	.9
Exons	20417..20471, 20890..21189, 21195..21271		

Seq. No.	15365	Seq. ID	OJ990727_05.9A26.C3
Gene No.	32600	Strand	-
Start	24693	End	27830
Name	OJ990727_05.9A26.C3.o3.ts	Method	TBLASTX:Soybean
Start	1177	End	1306
GI	none	Score	100
Exons	1177..1305, 1181..1306, 1181..1303		

Seq. No.	15365	Seq. ID	OJ990727_05.9A26.C3
Gene No.	32600	Strand	-
Start	24693	End	27830
Name	OJ990727_05.9A26.C3.o3.tm	Method	TBLASTX:Maize
Start	1181	End	1473
GI	none	Score	209
Exons	1181..1306, 1190..1309, 1191..1307, 1249..1308, 1417..1473, 1422..1460		

Seq. No.	15365	Seq. ID	OJ990727_05.9A26.C3
Gene No.	32600	Strand	-
Start	24693	End	27830
Name	OJ990727_05.9A26.C3.o2.tc	Method	TBLASTX:Cress
Start	13230	End	14366
GI	none	Score	77
Exons	13230..13385, 13300..13374, 13846..13980, 13847..13993, 14045..14167, 14046..14180, 14274..14366, 14295..14363		

Seq. No.	15365	Seq. ID	OJ990727_05.9A26.C3
Gene No.	32600	Strand	-
Start	24693	End	27830
Name	OJ990727_05.9A26.C3.o1.tm	Method	TBLASTX:Maize
Start	13634	End	14980
GI	none	Score	42

Exons	13634..13675, 13635..13667, 13765..13980, 13772..13993, 13774..13995, 14064..14171, 14069..14170, 14274..14363, 14275..14361, 14277..14363, 14311..14367, 14351..14380, 14640..14714, 14644..14805, 14653..14796, 14911..14979, 14930..14980		
Seq. No.	15365	Seq. ID	OJ990727_05.9A26.C3
Gene No.	32600	Strand	-
Start	24693	End	27830
Name	OJ990727_05.9A26.C3.o2.ts	Method	TBLASTX:Soybean
Start	13780	End	14366
GI	none	Score	64
Exons	13780..13971, 13853..13972, 14046..14150, 14069..14158, 14274..14366		
Seq. No.	15365	Seq. ID	OJ990727_05.9A26.C3
Gene No.	32600	Strand	-
Start	24693	End	27830
Name	OJ990727_05.9A26.C3.o1.tc	Method	TBLASTX:Cress
Start	22395	End	23849
GI	none	Score	108
Exons	22395..22595, 22455..22799, 22455..22634, 22455..22718, 22503..22727, 22554..22907, 22605..22829, 22650..23015, 22718..22936, 22737..22937, 22755..23066, 22763..23002, 22833..23042, 22857..23069, 22929..23072, 22947..23096, 23085..23270, 23085..23435, 23091..23339, 23142..23492, 23154..23375, 23217..23465, 23424..23849, 23505..23756, 23511..23672, 23511..23660, 23550..23792		
Seq. No.	15365	Seq. ID	OJ990727_05.9A26.C3
Gene No.	32600	Strand	-
Start	24693	End	27830
Name	OJ990727_05.9A26.C3.o1.ts	Method	TBLASTX:Soybean
Start	22422	End	23876
GI	none	Score	198
Exons	22422..22901, 22437..23066, 22452..23066, 22452..23066, 22649..22894, 22649..22981, 22650..23033, 22664..22789, 22776..22829, 22869..23066, 22874..23002, 22893..23084, 22967..23002, 23055..23408, 23075..23188, 23079..23492, 23085..23327, 23085..23492, 23085..23492, 23085..23414, 23085..23495, 23103..23282, 23214..23339, 23295..23501, 23448..23876, 23493..23804, 23511..23849, 23511..23849, 23522..23791		
Seq. No.	15365	Seq. ID	OJ990727_05.9A26.C3
Gene No.	32600	Strand	-
Start	24693	End	27830
Name	OJ990727_05.9A26.C3.o2.tm	Method	TBLASTX:Maize
Start	22452	End	23849
GI	none	Score	193
Exons	22452..22820, 22455..22727, 22518..22955, 22632..23048, 22649..22972, 22655..22939, 22749..23066, 22829..23002, 22833..23072, 22869..23066, 23085..23471, 23172..23492, 23175..23210, 23501..23770, 23510..23677, 23511..23798, 23514..23849, 23516..23749		
Seq. No.	15365	Seq. ID	OJ990727_05.9A26.C3

Gene No.	32600	Strand	-
Start	24693	End	27830
Name	OJ990727_05.9A26.C3.o8.gs	Method	GENSCAN
Start	24693	End	27830
GI	none	Score	.5
Exons	24693..24890, 25028..25189, 25975..26124, 26344..26435, 26674..26696, 27685..27830		

Seq. No.	15366	Seq. ID	OJ990727_05.9A26.C4
Gene No.	32601	Strand	+
Start	312	End	1438
Name	OJ990727_05.9A26.C4.o1.np	Method	AAT/NAP
Start	312	End	1197
GI	6503012	Score	436
Exons	312..547, 985..1197		
GI Descrip.	(AF174428) FH protein interacting protein FIP1 [Arabidopsis thaliana]		

Seq. No.	15366	Seq. ID	OJ990727_05.9A26.C4
Gene No.	32601	Strand	+
Start	312	End	1438
Name	OJ990727_05.9A26.C4.o1.gs	Method	GENSCAN
Start	344	End	1227
GI	none	Score	.9
Exons	344..586, 1021..1227		

Seq. No.	15366	Seq. ID	OJ990727_05.9A26.C4
Gene No.	32601	Strand	+
Start	312	End	1438
Name	OJ990727_05.9A26.C4.o1.gp	Method	AAT/GAP
Start	452	End	1438
GI	12324_1.R1084	Score	1022
Exons	452..586, 1021..1438		
GI Descrip.	'4103635 1.0e-10 (AF026538) ABA-responsive protein [Hordeum vulgare]'		

Seq. No.	15366	Seq. ID	OJ990727_05.9A26.C4
Gene No.	32602	Strand	+
Start	5101	End	5584
Name	OJ990727_05.9A26.C4.o2.gp	Method	AAT/GAP
Start	5101	End	5584
GI	uC-osflcyp174e03a1	Score	968
Exons	5101..5584		
GI Descrip.	'5262156/emb\|CAB45785.1\| 2.0e-50 (AL080237) putative protein [Arabidopsis thaliana]'		

Seq. No.	15366	Seq. ID	OJ990727_05.9A26.C4
Gene No.	32603	Strand	+
Start	16302	End	17729
Name	OJ990727_05.9A26.C4.o4.gs	Method	GENSCAN
Start	16302	End	17729
GI	none	Score	.71
Exons	16302..16409, 16948..17109, 17268..17729		

Seq. No.	15366	Seq. ID	OJ990727_05.9A26.C4
Gene No.	32604	Strand	-
Start	2492	End	14997

Name	OJ990727_05.9A26.C4.o2.gs	Method	GENSCAN
Start	2492	End	11532
GI	none	Score	.85
Exons	2492..2527, 2855..2934, 3267..3442, 3503..3570, 5330..6387, 7023..10167, 10693..11532		

Seq. No.	15366	Seq. ID	OJ990727_05.9A26.C4
Gene No.	32604	Strand	-
Start	2492	End	14997
Name	OJ990727_05.9A26.C4.o2.np	Method	AAT/NAP
Start	5186	End	12876
GI	5262156	Score	3881
Exons	5186..6387, 7023..9606, 9634..10167, 10693..11325, 12841..12876		
GI Descrip.	(AL080237) putative protein [Arabidopsis thaliana]		

Seq. No.	15366	Seq. ID	OJ990727_05.9A26.C4
Gene No.	32604	Strand	-
Start	2492	End	14997
Name	OJ990727_05.9A26.C4.o3.gp	Method	AAT/GAP
Start	5592	End	6104
GI	uC-osflcyp174e03b1	Score	1018
Exons	5592..6104		
GI Descrip.	'5262156/emb\|CAB45785.1\| 2.0e-33 (AL080237) putative protein [Arabidopsis thaliana]'		

Seq. No.	15366	Seq. ID	OJ990727_05.9A26.C4
Gene No.	32604	Strand	-
Start	2492	End	14997
Name	OJ990727_05.9A26.C4.o3.gs	Method	GENSCAN
Start	11728	End	14997
GI	none	Score	.79
Exons	11728..11850, 13015..13144, 13774..13823, 14490..14753, 14890..14997		

Seq. No.	15366	Seq. ID	OJ990727_05.9A26.C4
Gene No.	32604	Strand	-
Start	2492	End	14997
Name	OJ990727_05.9A26.C4.o3.np	Method	AAT/NAP
Start	13773	End	14789
GI	4586449	Score	465
Exons	13773..13823, 14147..14228, 14325..14407, 14490..14789		
GI Descrip.	(AB025187) cytochrome c oxidase subunit 6b-1 [Oryza sativa]		

Seq. No.	15366	Seq. ID	OJ990727_05.9A26.C4
Gene No.	32605	Strand	-
Start	18681	End	22191
Name	OJ990727_05.9A26.C4.o3.tm	Method	TBLASTX:Maize
Start	294	End	1185
GI	none	Score	394
Exons	294..557, 311..589, 313..600, 1004..1114, 1005..1148, 1012..1185, 1020..1184		

Seq. No.	15366	Seq. ID	OJ990727_05.9A26.C4
Gene No.	32605	Strand	-
Start	18681	End	22191
Name	OJ990727_05.9A26.C4.o6.ts	Method	TBLASTX:Soybean
Start	311	End	537

GI	none	Score	227
Exons	311..532, 316..537		

Seq. No.	15366	Seq. ID	OJ990727_05.9A26.C4
Gene No.	32605	Strand	-
Start	18681	End	22191
Name	OJ990727_05.9A26.C4.o4.tc	Method	TBLASTX:Cress
Start	482	End	1191
GI	none	Score	95
Exons	482..574, 1005..1154, 1018..1191, 1020..1190		

Seq. No.	15366	Seq. ID	OJ990727_05.9A26.C4
Gene No.	32605	Strand	-
Start	18681	End	22191
Name	OJ990727_05.9A26.C4.o9.ts	Method	TBLASTX:Soybean
Start	1024	End	1185
GI	none	Score	184
Exons	1024..1185, 1029..1160, 1063..1173		

Seq. No.	15366	Seq. ID	OJ990727_05.9A26.C4
Gene No.	32605	Strand	-
Start	18681	End	22191
Name	OJ990727_05.9A26.C4.o2.tm	Method	TBLASTX:Maize
Start	5113	End	5575
GI	none	Score	358
Exons	5113..5484, 5113..5475, 5148..5504, 5156..5503, 5253..5507, 5482..5523, 5486..5575, 5490..5573, 5494..5574		

Seq. No.	15366	Seq. ID	OJ990727_05.9A26.C4
Gene No.	32605	Strand	-
Start	18681	End	22191
Name	OJ990727_05.9A26.C4.o4.ts	Method	TBLASTX:Soybean
Start	5516	End	5806
GI	4314048	Score	121
Exons	5516..5593, 5517..5804, 5522..5803, 5657..5806		
GI Descrip.	-		

Seq. No.	15366	Seq. ID	OJ990727_05.9A26.C4
Gene No.	32605	Strand	-
Start	18681	End	22191
Name	OJ990727_05.9A26.C4.o3.ts	Method	TBLASTX:Soybean
Start	6048	End	6389
GI	none	Score	165
Exons	6048..6389, 6062..6388		

Seq. No.	15366	Seq. ID	OJ990727_05.9A26.C4
Gene No.	32605	Strand	-
Start	18681	End	22191
Name	OJ990727_05.9A26.C4.o1.tm	Method	TBLASTX:Maize
Start	6153	End	7714
GI	none	Score	190
Exons	6153..6353, 6154..6300, 6155..6304, 6264..6389, 6268..6390, 6308..6394, 6308..6388, 7021..7713, 7022..7714		

Seq. No.	15366	Seq. ID	OJ990727_05.9A26.C4
Gene No.	32605	Strand	-
Start	18681	End	22191

Name	OJ990727_05.9A26.C4.o6.tc	Method	TBLASTX:Cress
Start	7993	End	8289
GI	none	Score	72
Exons	7993..8289, 7994..8089		

Seq. No.	15366	Seq. ID	OJ990727_05.9A26.C4
Gene No.	32605	Strand	-
Start	18681	End	22191
Name	OJ990727_05.9A26.C4.o1.tc	Method	TBLASTX:Cress
Start	8299	End	10170
GI	none	Score	60
Exons	8299..8421, 8416..8472, 8716..8808, 8992..9141, 8996..9142, 9166..9402, 9251..9403, 9484..9561, 9670..9765, 9832..10167, 9995..10156, 10006..10170		

Seq. No.	15366	Seq. ID	OJ990727_05.9A26.C4
Gene No.	32605	Strand	-
Start	18681	End	22191
Name	OJ990727_05.9A26.C4.o7.tm	Method	TBLASTX:Maize
Start	8299	End	9594
GI	none	Score	69
Exons	8299..8406, 8701..8826, 8992..9141, 8993..9151, 9163..9402, 9478..9594		

Seq. No.	15366	Seq. ID	OJ990727_05.9A26.C4
Gene No.	32605	Strand	-
Start	18681	End	22191
Name	OJ990727_05.9A26.C4.o2.ts	Method	TBLASTX:Soybean
Start	8489	End	8773
GI	none	Score	137
Exons	8489..8707, 8491..8706, 8651..8773, 8716..8772		

Seq. No.	15366	Seq. ID	OJ990727_05.9A26.C4
Gene No.	32605	Strand	-
Start	18681	End	22191
Name	OJ990727_05.9A26.C4.o7.ts	Method	TBLASTX:Soybean
Start	9058	End	9399
GI	none	Score	210
Exons	9058..9399		

Seq. No.	15366	Seq. ID	OJ990727_05.9A26.C4
Gene No.	32605	Strand	-
Start	18681	End	22191
Name	OJ990727_05.9A26.C4.o6.tm	Method	TBLASTX:Maize
Start	9832	End	10170
GI	none	Score	102
Exons	9832..9867, 9868..10167, 9992..10168, 10006..10170		

Seq. No.	15366	Seq. ID	OJ990727_05.9A26.C4
Gene No.	32605	Strand	-
Start	18681	End	22191
Name	OJ990727_05.9A26.C4.o8.ts	Method	TBLASTX:Soybean
Start	13268	End	17151
GI	none	Score	121
Exons	13268..13315, 16927..16956, 16966..17151, 16988..17149		

Seq. No.	15366	Seq. ID	OJ990727_05.9A26.C4

Gene No.	32605	Strand	-
Start	18681	End	22191
Name	OJ990727_05.9A26.C4.o4.tm	Method	TBLASTX:Maize
Start	13755	End	14755
GI	none	Score	93
Exons	13755..13823, 13771..13821, 14144..14236, 14145..14237, 14146..14295, 14146..14259, 14320..14409, 14324..14413, 14342..14410, 14346..14414, 14484..14507, 14503..14628, 14657..14755		

Seq. No.	15366	Seq. ID	OJ990727_05.9A26.C4
Gene No.	32605	Strand	-
Start	18681	End	22191
Name	OJ990727_05.9A26.C4.o5.ts	Method	TBLASTX:Soybean
Start	13770	End	14435
GI	none	Score	95
Exons	13770..13823, 14139..14231, 14144..14236, 14324..14413, 14346..14435		

Seq. No.	15366	Seq. ID	OJ990727_05.9A26.C4
Gene No.	32605	Strand	-
Start	18681	End	22191
Name	OJ990727_05.9A26.C4.o2.tc	Method	TBLASTX:Cress
Start	14139	End	14432
GI	none	Score	122
Exons	14139..14237, 14144..14236, 14317..14409, 14324..14413, 14346..14432		

Seq. No.	15366	Seq. ID	OJ990727_05.9A26.C4
Gene No.	32605	Strand	-
Start	18681	End	22191
Name	OJ990727_05.9A26.C4.o3.tc	Method	TBLASTX:Cress
Start	16924	End	17151
GI	none	Score	138
Exons	16924..17151, 16988..17149		

Seq. No.	15366	Seq. ID	OJ990727_05.9A26.C4
Gene No.	32605	Strand	-
Start	18681	End	22191
Name	OJ990727_05.9A26.C4.o5.gs	Method	GENSCAN
Start	18681	End	21957
GI	none	Score	.64
Exons	18681..18847, 19247..19408, 19419..19512, 19735..19898, 20356..20431, 20815..20890, 20901..21090, 21632..21957		

Seq. No.	15366	Seq. ID	OJ990727_05.9A26.C4
Gene No.	32605	Strand	-
Start	18681	End	22191
Name	OJ990727_05.9A26.C4.o4.np	Method	AAT/NAP
Start	18734	End	22191
GI	6587844	Score	755
Exons	18734..18847, 19247..19408, 19735..19898, 20356..20431, 20808..20890, 21632..21957, 22166..22191		
GI Descrip.	(AC006551) Very similar to alcohol dehydrogenase [Arabidopsis thaliana]		

Seq. No.	15366	Seq. ID	OJ990727_05.9A26.C4

Gene No.	32605	Strand	-
Start	18681	End	22191
Name	OJ990727_05.9A26.C4.o5.tc	Method	TBLASTX:Cress
Start	18746	End	21962
GI	none	Score	134
Exons	18746..18850, 19232..19411, 19747..19809, 19810..19896, 20360..20437, 21630..21767, 21780..21815, 21810..21962		

Seq. No.	15366	Seq. ID	OJ990727_05.9A26.C4
Gene No.	32605	Strand	-
Start	18681	End	22191
Name	OJ990727_05.9A26.C4.o1.ts	Method	TBLASTX:Soybean
Start	20378	End	21956
GI	none	Score	159
Exons	20378..20437, 20805..20858, 21630..21767, 21631..21792, 21825..21956		

Seq. No.	15366	Seq. ID	OJ990727_05.9A26.C4
Gene No.	32605	Strand	-
Start	18681	End	22191
Name	OJ990727_05.9A26.C4.o5.tm	Method	TBLASTX:Maize
Start	20805	End	21956
GI	none	Score	70
Exons	20805..20858, 20806..20928, 21006..21086, 21573..21956, 21631..21894		

Seq. No.	15366	Seq. ID	OJ990727_05.9A26.C4
Gene No.	32605	Strand	-
Start	18681	End	22191
Name	OJ990727_05.9A26.C4.o5.gp	Method	AAT/GAP
Start	21026	End	21506
GI	LIB3433-049-P1-K1-F9	Score	903
Exons	21026..21506		
GI Descrip.	'5670155/gb\|AF161269.1\|AF161269 6.0e-13 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	15367	Seq. ID	OJ990727_05.9A26.C5
Gene No.	32606	Strand	+
Start	872	End	3339
Name	OJ990727_05.9A26.C5.o1.gs	Method	GENSCAN
Start	872	End	3339
GI	none	Score	.69
Exons	872..891, 2061..2242, 2471..2539, 3227..3339		

Seq. No.	15367	Seq. ID	OJ990727_05.9A26.C5
Gene No.	32607	Strand	+
Start	4791	End	5139
Name	OJ990727_05.9A26.C5.o1.gp	Method	AAT/GAP
Start	4791	End	5139
GI	2428649	Score	650
Exons	4791..5139		

Seq. No.	15367	Seq. ID	OJ990727_05.9A26.C5
Gene No.	32608	Strand	-
Start	40	End	3314
Name	OJ990727_05.9A26.C5.o1.np	Method	AAT/NAP
Start	40	End	3314

GI	1076580	Score	159
Exons	40..63, 3122..3314		
GI Descrip.	alcohol dehydrogenase homolog ADH3b - tomato gi\|913446\|bbs\|160508 (S75487) alcohol dehydrogenase ADH {EC 1.1.1.1} [Lycopersicon esculentum=tomatoes, cv. red cherry, Peptide, 390 aa] [Lycopersicon esculentum]		

Seq. No.	15367	Seq. ID	OJ990727_05.9A26.C5
Gene No.	32609	Strand	-
Start	4654	End	5407
Name	OJ990727_05.9A26.C5.o2.gs	Method	GENSCAN
Start	4654	End	5407
GI	none	Score	.45
Exons	4654..4666, 4735..4889, 4995..5065, 5281..5407		

Seq. No.	15368	Seq. ID	OJ990727_05.9A26.C6
Gene No.	32610	Strand	+
Start	1	End	4001
Name	OJ990727_05.9A26.C6.o1.gp	Method	AAT/GAP
Start	1	End	510
GI	5455387	Score	932
Exons	1..510		

Seq. No.	15368	Seq. ID	OJ990727_05.9A26.C6
Gene No.	32610	Strand	+
Start	1	End	4001
Name	OJ990727_05.9A26.C6.o1.gs	Method	GENSCAN
Start	64	End	4001
GI	none	Score	.62
Exons	64..187, 242..287, 843..1191, 1580..1722, 2405..2459, 3208..3300, 3879..4001		

Seq. No.	15369	Seq. ID	OJ990727_05.9A26.C7
Gene No.	32611	Strand	+
Start	1066	End	1173
Name	OJ990727_05.9A26.C7.o1.np	Method	AAT/NAP
Start	1066	End	1173
GI	5852093	Score	83
Exons	1066..1173		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	15369	Seq. ID	OJ990727_05.9A26.C7
Gene No.	32612	Strand	+
Start	7549	End	11329
Name	OJ990727_05.9A26.C7.o3.gs	Method	GENSCAN
Start	7549	End	11329
GI	none	Score	.75
Exons	7549..7669, 8648..8688, 8746..8820, 10481..10573, 10656..10760, 10931..11329		

Seq. No.	15369	Seq. ID	OJ990727_05.9A26.C7
Gene No.	32612	Strand	+
Start	7549	End	11329
Name	OJ990727_05.9A26.C7.o1.gp	Method	AAT/GAP
Start	7576	End	10933
GI	16576_1.R1084	Score	1159
Exons	7576..7669, 8746..8820, 9983..10084, 10167..10220, 10306..10398,		

	10481..10573, 10656..10760, 10872..10933
GI Descrip.	'416564/sp\|Q02066\|AAIP_WHEAT 1.0e-112 ABCISIC ACID-INDUCIBLE PROTEIN KINASE >gi_422013_pir__A46408 abscisic acid-inducible serine/threonine protein kinase homolog - wheat (fragment) >gi_170664_gb_AAA96325.1_AAA96325 (M94726) protein kinase [Triticum aestivum]'

Seq. No.	15369	Seq. ID	OJ990727_05.9A26.C7
Gene No.	32612	Strand	+
Start	7549	End	11329
Name	OJ990727_05.9A26.C7.o2.np	Method	AAT/NAP
Start	7580	End	11326
GI	416564	Score	1259
Exons	7580..7669, 8746..8820, 9983..10084, 10167..10220, 10306..10398, 10481..10573, 10656..10760, 10872..10970, 11051..11326		
GI Descrip.	ABCISIC ACID-INDUCIBLE PROTEIN KINASE gi\|422013\|pir\|\|A46408 abscisic acid-inducible serine/threonine protein kinase homolog - wheat (fragment) gi\|170664\|gb\|AAA96325.1\|AAA96325 (M94726) protein kinase [Triticum aestivum]		

Seq. No.	15369	Seq. ID	OJ990727_05.9A26.C7
Gene No.	32613	Strand	+
Start	12464	End	14860
Name	OJ990727_05.9A26.C7.o2.gp	Method	AAT/GAP
Start	12369	End	14860
GI	2789_1.R1084	Score	1674
Exons	12369..12413, 12585..12654, 13613..13670, 13753..13861, 13942..14214, 14418..14860		
GI Descrip.	'1917019 1.0e-101 (U92045) ribosomal protein S6 RPS6-1 [Zea mays]'		

Seq. No.	15369	Seq. ID	OJ990727_05.9A26.C7
Gene No.	32613	Strand	+
Start	12464	End	14860
Name	OJ990727_05.9A26.C7.o4.gs	Method	GENSCAN
Start	12464	End	14659
GI	none	Score	.94
Exons	12464..12469, 12590..12654, 13613..13670, 13753..13861, 13942..14214, 14418..14659		

Seq. No.	15369	Seq. ID	OJ990727_05.9A26.C7
Gene No.	32613	Strand	+
Start	12464	End	14860
Name	OJ990727_05.9A26.C7.o3.np	Method	AAT/NAP
Start	12584	End	14659
GI	1917019	Score	1090
Exons	12584..12654, 13613..13670, 13753..13861, 13942..14214, 14418..14659		
GI Descrip.	(U92045) ribosomal protein S6 RPS6-1 [Zea mays]		

Seq. No.	15369	Seq. ID	OJ990727_05.9A26.C7
Gene No.	32614	Strand	+
Start	30495	End	33327
Name	OJ990727_05.9A26.C7.o5.np	Method	AAT/NAP
Start	30495	End	33327
GI	6587848	Score	751
Exons	30495..30954, 32383..33327		

GI Descrip.	(AC006551) Putative UDP-glucose glucosyltransferase [Arabidopsis thaliana]		
Seq. No.	15369	Seq. ID	OJ990727_05.9A26.C7
Gene No.	32615	Strand	-
Start	5487	End	5720
Name	OJ990727_05.9A26.C7.o2.gs	Method	GENSCAN
Start	5487	End	5720
GI	none	Score	.95
Exons	5487..5720		
Seq. No.	15369	Seq. ID	OJ990727_05.9A26.C7
Gene No.	32616	Strand	-
Start	16210	End	19680
Name	OJ990727_05.9A26.C7.o3.gp	Method	AAT/GAP
Start	15926	End	18729
GI	412_1.R1084	Score	2422
Exons	15926..16488, 16907..17152, 17259..17535, 18544..18729		
GI Descrip.	'2398679/emb\|CAA75092\| 1.0e-155 (Y14797) 3-deoxy-D-arabino-heptulosonate 7-phosphate synthase [Morinda citrifolia]'		
Seq. No.	15369	Seq. ID	OJ990727_05.9A26.C7
Gene No.	32616	Strand	-
Start	16210	End	19680
Name	OJ990727_05.9A26.C7.o5.gs	Method	GENSCAN
Start	16210	End	19448
GI	none	Score	.87
Exons	16210..16488, 16907..17152, 17259..17535, 18544..18821, 18915..19448		
Seq. No.	15369	Seq. ID	OJ990727_05.9A26.C7
Gene No.	32616	Strand	-
Start	16210	End	19680
Name	OJ990727_05.9A26.C7.o4.np	Method	AAT/NAP
Start	16234	End	19680
GI	2398679	Score	2022
Exons	16234..16488, 16907..17152, 17259..17535, 18544..18821, 18915..19334, 19549..19680		
GI Descrip.	(Y14797) 3-deoxy-D-arabino-heptulosonate 7-phosphate synthase [Morinda citrifolia]		
Seq. No.	15369	Seq. ID	OJ990727_05.9A26.C7
Gene No.	32617	Strand	-
Start	30399	End	33198
Name	OJ990727_05.9A26.C7.o2.tm	Method	TBLASTX:Maize
Start	7540	End	11551
GI	none	Score	41
Exons	7540..7572, 7548..7586, 7570..7668, 7570..7668, 7574..7672, 8742..8822, 8746..8823, 9980..10102, 9982..10083, 10164..10220, 10166..10219, 10173..10220, 10293..10397, 10304..10393, 10305..10394, 10306..10398, 10478..10576, 10478..10573, 10480..10593, 10629..10760, 10655..10765, 10656..10760, 10667..10765, 10850..10975, 10860..10982, 11027..11101, 11047..11334, 11048..11335, 11405..11431, 11498..11551		
Seq. No.	15369	Seq. ID	OJ990727_05.9A26.C7

Gene No.	32617	Strand	-
Start	30399	End	33198
Name	OJ990727_05.9A26.C7.o1.ts	Method	TBLASTX:Soybean
Start	7549	End	11248
GI	none	Score	37
Exons	7549..7572, 7570..7668, 7574..7672, 8742..8822, 8746..8823, 9980..10102, 9982..10116, 9982..10083, 10002..10088, 10164..10220, 10165..10233, 10166..10219, 10293..10397, 10305..10397, 10306..10398, 10478..10576, 10480..10587, 10656..10757, 10658..10759, 10658..10756, 10860..10982, 10874..10975, 11048..11119, 11053..11118, 11131..11235, 11132..11248		

Seq. No.	15369	Seq. ID	OJ990727_05.9A26.C7
Gene No.	32617	Strand	-
Start	30399	End	33198
Name	OJ990727_05.9A26.C7.o2.tc	Method	TBLASTX:Cress
Start	7570	End	11212
GI	none	Score	128
Exons	7570..7662, 7574..7672, 8743..8820, 8745..8831, 8746..8823, 9980..10102, 9982..10083, 10017..10085, 10164..10220, 10164..10220, 10166..10243, 10266..10397, 10305..10397, 10306..10398, 10474..10572, 10478..10576, 10479..10568, 10480..10569, 10641..10754, 10654..10755, 10656..10757, 10658..10756, 10860..10964, 11051..11212, 11053..11211		

Seq. No.	15369	Seq. ID	OJ990727_05.9A26.C7
Gene No.	32617	Strand	-
Start	30399	End	33198
Name	OJ990727_05.9A26.C7.o2.tw	Method	TBLASTX:Wheat
Start	9976	End	10697
GI	none	Score	170
Exons	9976..10083, 9977..10102, 10156..10218, 10164..10220, 10166..10219, 10304..10393, 10305..10397, 10305..10394, 10306..10398, 10478..10576, 10478..10573, 10479..10574, 10480..10587, 10641..10697, 10656..10697		

Seq. No.	15369	Seq. ID	OJ990727_05.9A26.C7
Gene No.	32617	Strand	-
Start	30399	End	33198
Name	OJ990727_05.9A26.C7.o4.ts	Method	TBLASTX:Soybean
Start	12581	End	14222
GI	none	Score	116
Exons	12581..12664, 12589..12666, 13613..13672, 13614..13670, 13618..13671, 13739..13825, 13750..13863, 13752..13829, 13940..14218, 13940..14215, 14007..14222		

Seq. No.	15369	Seq. ID	OJ990727_05.9A26.C7
Gene No.	32617	Strand	-
Start	30399	End	33198
Name	OJ990727_05.9A26.C7.o1.tw	Method	TBLASTX:Wheat
Start	12587	End	14205
GI	none	Score	110
Exons	12587..12655, 12589..12666, 13614..13670, 13625..13672, 13739..13858, 13741..13857, 13750..13863, 13939..14091, 13940..14200, 13940..14197, 14142..14201, 14158..14205		

Seq. No.	15369	Seq. ID	OJ990727_05.9A26.C7
Gene No.	32617	Strand	-
Start	30399	End	33198
Name	OJ990727_05.9A26.C7.o3.tm	Method	TBLASTX:Maize
Start	12587	End	14803
GI	none	Score	117
Exons	12587..12664, 12589..12666, 13613..13672, 13614..13670, 13733..13861, 13750..13863, 13752..13829, 13940..14215, 13943..14212, 14007..14219, 14139..14231, 14416..14493, 14416..14550, 14417..14578, 14418..14627, 14533..14652, 14771..14803		

Seq. No.	15369	Seq. ID	OJ990727_05.9A26.C7
Gene No.	32617	Strand	-
Start	30399	End	33198
Name	OJ990727_05.9A26.C7.o3.tc	Method	TBLASTX:Cress
Start	12587	End	14631
GI	none	Score	120
Exons	12587..12664, 13613..13672, 13614..13670, 13750..13863, 13750..13863, 13940..14215, 13941..14219, 14416..14475, 14417..14578, 14418..14501, 14539..14631		

Seq. No.	15369	Seq. ID	OJ990727_05.9A26.C7
Gene No.	32617	Strand	-
Start	30399	End	33198
Name	OJ990727_05.9A26.C7.o6.ts	Method	TBLASTX:Soybean
Start	14420	End	14649
GI	none	Score	143
Exons	14420..14578, 14422..14475, 14563..14649		

Seq. No.	15369	Seq. ID	OJ990727_05.9A26.C7
Gene No.	32617	Strand	-
Start	30399	End	33198
Name	OJ990727_05.9A26.C7.o1.tm	Method	TBLASTX:Maize
Start	16204	End	19475
GI	none	Score	52
Exons	16204..16488, 16212..16247, 16214..16489, 16302..16490, 16898..17152, 16905..17153, 16906..17154, 16908..17168, 17253..17537, 17254..17538, 17273..17539, 18541..18705, 18542..18652, 18543..18833, 18543..18821, 18725..18832, 18903..19280, 18904..19272, 19278..19475, 19279..19362, 19409..19450		

Seq. No.	15369	Seq. ID	OJ990727_05.9A26.C7
Gene No.	32617	Strand	-
Start	30399	End	33198
Name	OJ990727_05.9A26.C7.o1.tc	Method	TBLASTX:Cress
Start	16279	End	19355
GI	none	Score	295
Exons	16279..16488, 16280..16489, 16898..16951, 16931..17158, 16946..17152, 16950..17168, 16950..17153, 17251..17538, 17253..17537, 18543..18833, 18543..18821, 18903..19229, 18904..19230, 19266..19355		

Seq. No.	15369	Seq. ID	OJ990727_05.9A26.C7
Gene No.	32617	Strand	-
Start	30399	End	33198

Name	OJ990727_05.9A26.C7.o5.ts	Method	TBLASTX:Soybean
Start	16279	End	16491
GI	none	Score	280
Exons	16279..16491, 16280..16489		

Seq. No.	15369	Seq. ID	OJ990727_05.9A26.C7
Gene No.	32617	Strand	-
Start	30399	End	33198
Name	OJ990727_05.9A26.C7.o3.tw	Method	TBLASTX:Wheat
Start	16372	End	17320
GI	none	Score	108
Exons	16372..16482, 16373..16453, 16374..16490, 16505..16531, 16910..17152, 16911..17168, 17263..17319, 17264..17320		

Seq. No.	15369	Seq. ID	OJ990727_05.9A26.C7
Gene No.	32617	Strand	-
Start	30399	End	33198
Name	OJ990727_05.9A26.C7.o2.ts	Method	TBLASTX:Soybean
Start	16910	End	19217
GI	none	Score	180
Exons	16910..17152, 16916..17155, 16926..17168, 17217..17537, 17254..17538, 18542..18622, 18543..18830, 18543..18821, 18903..19217, 18904..19119		

Seq. No.	15369	Seq. ID	OJ990727_05.9A26.C7
Gene No.	32617	Strand	-
Start	30399	End	33198
Name	OJ990727_05.9A26.C7.o7.gs	Method	GENSCAN
Start	30399	End	30989
GI	none	Score	.72
Exons	30399..30989		

Seq. No.	15369	Seq. ID	OJ990727_05.9A26.C7
Gene No.	32617	Strand	-
Start	30399	End	33198
Name	OJ990727_05.9A26.C7.o5.tm	Method	TBLASTX:Maize
Start	30530	End	32645
GI	none	Score	74
Exons	30530..30571, 30531..30572, 30563..30592, 30564..30593, 30672..30953, 32382..32513, 32550..32645		

Seq. No.	15369	Seq. ID	OJ990727_05.9A26.C7
Gene No.	32617	Strand	-
Start	30399	End	33198
Name	OJ990727_05.9A26.C7.o3.ts	Method	TBLASTX:Soybean
Start	30531	End	33198
GI	none	Score	56
Exons	30531..30569, 30564..30593, 30770..30946, 30771..30962, 32382..32441, 32454..32525, 32559..32645, 32670..32870, 32704..32871, 32950..33198, 32958..33131, 32971..33150		

Seq. No.	15369	Seq. ID	OJ990727_05.9A26.C7
Gene No.	32617	Strand	-
Start	30399	End	33198
Name	OJ990727_05.9A26.C7.o4.tc	Method	TBLASTX:Cress
Start	30531	End	33198
GI	none	Score	65

Exons	30531..30569, 30672..30722, 30753..30962, 30773..30910, 30786..30965, 32380..32415, 32382..32441, 32451..32534, 32462..32563, 32541..32645, 32688..32870, 32701..32871, 32950..33198, 32970..33137		
Seq. No.	15369	Seq. ID	OJ990727_05.9A26.C7
Gene No.	32617	Strand	-
Start	30399	End	33198
Name	OJ990727_05.9A26.C7.o4.tm	Method	TBLASTX:Maize
Start	32725	End	33195
GI	none	Score	153
Exons	32725..32874, 32751..32801, 32935..33195, 32946..33134, 32977..33147		
Seq. No.	15369	Seq. ID	OJ990727_05.9A26.C7
Gene No.	32617	Strand	-
Start	30399	End	33198
Name	OJ990727_05.9A26.C7.o4.tw	Method	TBLASTX:Wheat
Start	32725	End	33138
GI	none	Score	121
Exons	32725..32883, 32767..32862, 32935..33138, 32943..33137		
Seq. No.	15370	Seq. ID	OJ990727_05.9A26.C8
Gene No.	32618	Strand	-
Start	1	End	3666
Name	OJ990727_05.9A26.C8.o1.np	Method	AAT/NAP
Start	1	End	3666
GI	5441880	Score	3240
Exons	1..231, 347..477, 724..822, 1067..1325, 1402..1944, 2089..3666		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		
Seq. No.	15370	Seq. ID	OJ990727_05.9A26.C8
Gene No.	32618	Strand	-
Start	1	End	3666
Name	OJ990727_05.9A26.C8.o1.gp	Method	AAT/GAP
Start	1075	End	1574
GI	LIB3475-007-P1-K1-G8	Score	805
Exons	1075..1325, 1402..1574		
GI Descrip.	'5441880/dbj\|BAA82378.1\| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		
Seq. No.	15370	Seq. ID	OJ990727_05.9A26.C8
Gene No.	32618	Strand	-
Start	1	End	3666
Name	OJ990727_05.9A26.C8.o2.gp	Method	AAT/GAP
Start	2631	End	3062
GI	5701669	Score	849
Exons	2631..3062		
GI Descrip.	5441880/dbj\|BAA82378.1\| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		
Seq. No.	15370	Seq. ID	OJ990727_05.9A26.C8
Gene No.	32619	Strand	-

Start	3679	End	4737
Name	OJ990727_05.9A26.C8.o2.np	Method	AAT/NAP
Start	3679	End	4737
GI	6721543	Score	176
Exons	3679..3795, 4608..4737		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	15370	Seq. ID	OJ990727_05.9A26.C8
Gene No.	32619	Strand	-
Start	3679	End	4737
Name	OJ990727_05.9A26.C8.o3.gp	Method	AAT/GAP
Start	4572	End	4720
GI	7406_1.R1084	Score	222
Exons	4572..4720		
GI Descrip.	'1122315/emb\|CAA63901\| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	15370	Seq. ID	OJ990727_05.9A26.C8
Gene No.	32620	Strand	-
Start	8553	End	13490
Name	OJ990727_05.9A26.C8.o3.np	Method	AAT/NAP
Start	8553	End	13490
GI	5295955	Score	617
Exons	8553..9124, 9207..9683, 10370..10483, 11025..11121, 12768..13490		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	15370	Seq. ID	OJ990727_05.9A26.C8
Gene No.	32620	Strand	-
Start	8553	End	13490
Name	OJ990727_05.9A26.C8.o2.gs	Method	GENSCAN
Start	10304	End	13392
GI	none	Score	.66
Exons	10304..10415, 10429..10547, 10957..11093, 11577..11667, 11910..11954, 12793..13392		

Seq. No.	15370	Seq. ID	OJ990727_05.9A26.C8
Gene No.	32621	Strand	-
Start	13672	End	15194
Name	OJ990727_05.9A26.C8.o1.tw	Method	TBLASTX:Wheat
Start	2431	End	2811
GI	none	Score	76
Exons	2431..2607, 2461..2607, 2492..2611, 2605..2802, 2617..2811		

Seq. No.	15370	Seq. ID	OJ990727_05.9A26.C8
Gene No.	32621	Strand	-
Start	13672	End	15194
Name	OJ990727_05.9A26.C8.o2.tm	Method	TBLASTX:Maize
Start	2509	End	3105
GI	none	Score	142
Exons	2509..2580, 2644..2943, 2705..2926, 2977..3105, 2999..3097		

Seq. No.	15370	Seq. ID	OJ990727_05.9A26.C8
Gene No.	32621	Strand	-
Start	13672	End	15194
Name	OJ990727_05.9A26.C8.o1.tm	Method	TBLASTX:Maize
Start	6904	End	13399

GI	none	Score	149
Exons	6904..7038, 6909..7046, 6924..7061, 7144..7215, 7144..7230, 7148..7219, 7293..7409, 7294..7386, 12710..12943, 12712..13023, 12712..12771, 12823..13176, 13001..13279, 13213..13254, 13258..13347, 13259..13339, 13349..13399		

Seq. No.	15370	Seq. ID	OJ990727_05.9A26.C8
Gene No.	32621	Strand	-
Start	13672	End	15194
Name	OJ990727_05.9A26.C8.o1.ts	Method	TBLASTX:Soybean
Start	12715	End	13110
GI	none	Score	134
Exons	12715..12969, 12718..12768, 12820..13110, 13031..13099		

Seq. No.	15370	Seq. ID	OJ990727_05.9A26.C8
Gene No.	32621	Strand	-
Start	13672	End	15194
Name	OJ990727_05.9A26.C8.o1.tc	Method	TBLASTX:Cress
Start	12868	End	13186
GI	none	Score	43
Exons	12868..13098, 13007..13099, 13123..13176, 13145..13186		

Seq. No.	15370	Seq. ID	OJ990727_05.9A26.C8
Gene No.	32621	Strand	-
Start	13672	End	15194
Name	OJ990727_05.9A26.C8.o3.gs	Method	GENSCAN
Start	13672	End	15194
GI	none	Score	.66
Exons	13672..13863, 15119..15194		

Seq. No.	15370	Seq. ID	OJ990727_05.9A26.C8
Gene No.	32621	Strand	-
Start	13672	End	15194
Name	OJ990727_05.9A26.C8.o4.gp	Method	AAT/GAP
Start	14854	End	15190
GI	3769233	Score	604
Exons	14854..15190		

Seq. No.	15371	Seq. ID	OJ990727_05.9A26.C10
Gene No.	32622	Strand	+
Start	1	End	245
Name	OJ990727_05.9A26.C10.o1.gp	Method	AAT/GAP
Start	1	End	245
GI	LIB3431-045-P1-N1-A10	Score	474
Exons	1..245		
GI Descrip.	'5441876/dbj\|AP000367.1\|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	15371	Seq. ID	OJ990727_05.9A26.C10
Gene No.	32623	Strand	-
Start	464	End	604
Name	OJ990727_05.9A26.C10.o1.gs	Method	GENSCAN
Start	464	End	604
GI	none	Score	.99
Exons	464..604		

Seq. No.	15372	Seq. ID	OJ990727_05.9A26.C12

Gene No.	32624	Strand	-
Start	59	End	138
Name	OJ990727_05.9A26.C12.o1.gs	Method	GENSCAN
Start	59	End	138
GI	none	Score	.96
Exons	59..138		

Seq. No.	15373	Seq. ID	OJ990727_04.9A20.C2
Gene No.	32625	Strand	-
Start	1261	End	5423
Name	OJ990727_04.9A20.C2.o1.gp	Method	AAT/GAP
Start	612	End	5282
GI	77_1.R1084	Score	1980
Exons	612..846, 1260..1362, 1451..1591, 1850..1962, 2845..2896, 3130..3252, 3577..3683, 3872..3921, 4876..4979, 5202..5282		
GI Descrip.	'6006310/dbj\|BAA84779.1\| 0.0e+00 (AB018443) nonphototrophic hypocotyl 1b [Oryza sativa]'		

Seq. No.	15373	Seq. ID	OJ990727_04.9A20.C2
Gene No.	32625	Strand	-
Start	1261	End	5423
Name	OJ990727_04.9A20.C2.o1.gs	Method	GENSCAN
Start	1261	End	5364
GI	none	Score	.96
Exons	1261..1362, 1451..1591, 1850..1962, 2845..2896, 3130..3252, 3577..3683, 5283..5364		

Seq. No.	15373	Seq. ID	OJ990727_04.9A20.C2
Gene No.	32625	Strand	-
Start	1261	End	5423
Name	OJ990727_04.9A20.C2.o1.np	Method	AAT/NAP
Start	1264	End	5423
GI	6006310	Score	1279
Exons	1264..1362, 1451..1591, 1850..1962, 2845..2896, 3130..3252, 3577..3683, 3872..3921, 4876..4979, 5202..5282, 5397..5423		
GI Descrip.	(AB018443) nonphototrophic hypocotyl 1b [Oryza sativa]		

Seq. No.	15373	Seq. ID	OJ990727_04.9A20.C2
Gene No.	32625	Strand	-
Start	1261	End	5423
Name	OJ990727_04.9A20.C2.o1.tm	Method	TBLASTX:Maize
Start	1285	End	4956
GI	none	Score	64
Exons	1285..1359, 1289..1360, 1449..1592, 1449..1592, 1450..1593, 1450..1593, 1451..1597, 1845..1943, 1847..1942, 1941..1994, 2787..2897, 2843..2896, 3113..3232, 3130..3228, 3572..3685, 3574..3687, 3867..3923, 3867..3923, 3868..3936, 4872..4952, 4875..4952, 4876..4956		

Seq. No.	15373	Seq. ID	OJ990727_04.9A20.C2
Gene No.	32625	Strand	-
Start	1261	End	5423
Name	OJ990727_04.9A20.C2.o1.tc	Method	TBLASTX:Cress
Start	1288	End	5285
GI	none	Score	125
Exons	1288..1362, 1451..1597, 1452..1592, 1845..1970, 1847..1993, 2841..2897, 2843..2896, 3119..3226, 3130..3255, 3572..3685,		

3574..3687, 3576..3728, 3865..3936, 3867..3923, 4872..4985, 4875..4985, 4876..4986, 5202..5285

Seq. No.	15374	Seq. ID	OJ990727_04.9A20.C3
Gene No.	32626	Strand	+
Start	11653	End	11821
Name	OJ990727_04.9A20.C3.o2.gs	Method	GENSCAN
Start	11653	End	11821
GI	none	Score	.63
Exons	11653..11731, 11778..11821		

Seq. No.	15374	Seq. ID	OJ990727_04.9A20.C3
Gene No.	32627	Strand	+
Start	14951	End	18567
Name	OJ990727_04.9A20.C3.o3.gs	Method	GENSCAN
Start	14951	End	18567
GI	none	Score	.57
Exons	14951..14956, 15031..15329, 15506..15627, 15629..15839, 16073..16199, 16634..16762, 18133..18377, 18444..18567		

Seq. No.	15374	Seq. ID	OJ990727_04.9A20.C3
Gene No.	32627	Strand	+
Start	14951	End	18567
Name	OJ990727_04.9A20.C3.o2.np	Method	AAT/NAP
Start	15547	End	16582
GI	5922623	Score	142
Exons	15547..15657, 16221..16336, 16506..16582		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016856\|dbj\|BAA85199.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	15374	Seq. ID	OJ990727_04.9A20.C3
Gene No.	32628	Strand	+
Start	25238	End	26051
Name	OJ990727_04.9A20.C3.o5.gs	Method	GENSCAN
Start	25238	End	26051
GI	none	Score	.77
Exons	25238..25416, 25964..26051		

Seq. No.	15374	Seq. ID	OJ990727_04.9A20.C3
Gene No.	32629	Strand	+
Start	26054	End	29728
Name	OJ990727_04.9A20.C3.o3.np	Method	AAT/NAP
Start	26054	End	28212
GI	1816459	Score	391
Exons	26054..26235, 26828..26906, 27121..27182, 27572..27671, 27935..28212		
GI Descrip.	(Y10750) DEFH125 protein [Antirrhinum majus]		

Seq. No.	15374	Seq. ID	OJ990727_04.9A20.C3
Gene No.	32629	Strand	+
Start	26054	End	29728
Name	OJ990727_04.9A20.C3.o6.gs	Method	GENSCAN
Start	26829	End	29728
GI	none	Score	.67
Exons	26829..26906, 27543..27671, 27935..28018, 29219..29466, 29653..29728		

Seq. No.	15374	Seq. ID	OJ990727_04.9A20.C3
Gene No.	32630	Strand	+
Start	31143	End	34197
Name	OJ990727_04.9A20.C3.o4.np	Method	AAT/NAP
Start	31143	End	34197
GI	4417309	Score	389
Exons	31143..31206, 31381..32159, 32247..32845, 34171..34197		
GI Descrip.	(AC006446) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	15374	Seq. ID	OJ990727_04.9A20.C3
Gene No.	32631	Strand	+
Start	37498	End	39219
Name	OJ990727_04.9A20.C3.o8.gs	Method	GENSCAN
Start	37498	End	39041
GI	none	Score	.62
Exons	37498..37617, 37888..38107, 38551..39041		

Seq. No.	15374	Seq. ID	OJ990727_04.9A20.C3
Gene No.	32631	Strand	+
Start	37498	End	39219
Name	OJ990727_04.9A20.C3.o6.np	Method	AAT/NAP
Start	37829	End	39219
GI	6539588	Score	167
Exons	37829..38136, 39202..39219		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	15374	Seq. ID	OJ990727_04.9A20.C3
Gene No.	32632	Strand	-
Start	1	End	7823
Name	OJ990727_04.9A20.C3.o1.np	Method	AAT/NAP
Start	1	End	7195
GI	6006310	Score	2707
Exons	1..22, 160..236, 1377..1466, 2128..2187, 2558..2662, 2776..2825, 2964..3070, 5525..5595, 5706..5934, 6018..6303, 6403..6494, 6597..7195		
GI Descrip.	(AB018443) nonphototrophic hypocotyl 1b [Oryza sativa]		

Seq. No.	15374	Seq. ID	OJ990727_04.9A20.C3
Gene No.	32632	Strand	-
Start	1	End	7823
Name	OJ990727_04.9A20.C3.o1.gp	Method	AAT/GAP
Start	160	End	7823
GI	77_1.R1084	Score	3617
Exons	160..236, 1377..1466, 2128..2187, 2558..2662, 2776..2825, 2964..3070, 5525..5595, 5706..5934, 6018..6303, 6403..6494, 6597..7271, 7704..7823		
GI Descrip.	'6006310/dbj\|BAA84779.1\| 0.0e+00 (AB018443) nonphototrophic hypocotyl 1b [Oryza sativa]'		

Seq. No.	15374	Seq. ID	OJ990727_04.9A20.C3
Gene No.	32633	Strand	-
Start	19339	End	21474
Name	OJ990727_04.9A20.C3.o4.gs	Method	GENSCAN
Start	19339	End	21474
GI	none	Score	.47

Exons	19339..19397, 19690..19797, 21435..21474		
Seq. No.	15374	Seq. ID	OJ990727_04.9A20.C3
Gene No.	32634	Strand	-
Start	29986	End	35759
Name	OJ990727_04.9A20.C3.o3.ts	Method	TBLASTX:Soybean
Start	139	End	5831
GI	none	Score	88
Exons	139..222, 162..221, 1371..1469, 1372..1467, 1374..1475, 2119..2184, 2122..2187, 2554..2664, 2555..2665, 2556..2663, 2557..2664, 2768..2827, 2774..2824, 2776..2829, 5703..5831, 5707..5826		
Seq. No.	15374	Seq. ID	OJ990727_04.9A20.C3
Gene No.	32634	Strand	-
Start	29986	End	35759
Name	OJ990727_04.9A20.C3.o1.tc	Method	TBLASTX:Cress
Start	160	End	6943
GI	none	Score	71
Exons	160..225, 162..224, 1371..1466, 2131..2187, 2554..2664, 2555..2665, 2555..2665, 2557..2667, 2768..2827, 2776..2829, 2962..3072, 2962..3072, 2963..3070, 5524..5595, 5528..5596, 5703..5828, 5707..5832, 6246..6296, 6248..6301, 6404..6493, 6420..6494, 6585..6941, 6596..6943, 6596..6922, 6717..6875, 6803..6943		
Seq. No.	15374	Seq. ID	OJ990727_04.9A20.C3
Gene No.	32634	Strand	-
Start	29986	End	35759
Name	OJ990727_04.9A20.C3.o1.tm	Method	TBLASTX:Maize
Start	160	End	6935
GI	none	Score	92
Exons	160..225, 162..224, 1372..1467, 1374..1466, 2128..2187, 2612..2665, 2776..2829, 2960..3073, 2962..3072, 2962..3072, 5521..5586, 5524..5595, 5703..5834, 5707..5835, 6404..6493, 6420..6494, 6585..6935, 6596..6934, 6596..6922		
Seq. No.	15374	Seq. ID	OJ990727_04.9A20.C3
Gene No.	32634	Strand	-
Start	29986	End	35759
Name	OJ990727_04.9A20.C3.o1.ts	Method	TBLASTX:Soybean
Start	2962	End	6875
GI	none	Score	91
Exons	2962..3072, 5524..5595, 6239..6301, 6377..6493, 6420..6494, 6585..6875, 6596..6874		
Seq. No.	15374	Seq. ID	OJ990727_04.9A20.C3
Gene No.	32634	Strand	-
Start	29986	End	35759
Name	OJ990727_04.9A20.C3.o2.ts	Method	TBLASTX:Soybean
Start	26038	End	26247
GI	none	Score	255
Exons	26038..26247, 26051..26245		
Seq. No.	15374	Seq. ID	OJ990727_04.9A20.C3
Gene No.	32634	Strand	-
Start	29986	End	35759

Name	OJ990727_04.9A20.C3.o2.tw	Method	TBLASTX:Wheat
Start	26041	End	26236
GI	none	Score	100
Exons	26041..26154, 26053..26226, 26054..26236		

Seq. No.	15374	Seq. ID	OJ990727_04.9A20.C3
Gene No.	32634	Strand	-
Start	29986	End	35759
Name	OJ990727_04.9A20.C3.o4.tm	Method	TBLASTX:Maize
Start	26045	End	26251
GI	none	Score	98
Exons	26045..26173, 26047..26157, 26053..26235, 26054..26251		

Seq. No.	15374	Seq. ID	OJ990727_04.9A20.C3
Gene No.	32634	Strand	-
Start	29986	End	35759
Name	OJ990727_04.9A20.C3.o2.tc	Method	TBLASTX:Cress
Start	26051	End	28060
GI	none	Score	240
Exons	26051..26257, 26051..26173, 26053..26220, 26826..26906, 27118..27183, 27569..27673, 27570..27671, 27758..27805, 27935..28060		

Seq. No.	15374	Seq. ID	OJ990727_04.9A20.C3
Gene No.	32634	Strand	-
Start	29986	End	35759
Name	OJ990727_04.9A20.C3.o7.gs	Method	GENSCAN
Start	29986	End	35759
GI	none	Score	.47
Exons	29986..30158, 30723..30813, 33068..33181, 34111..34281, 34689..34819, 34959..35026, 35618..35633, 35705..35759		

Seq. No.	15374	Seq. ID	OJ990727_04.9A20.C3
Gene No.	32634	Strand	-
Start	29986	End	35759
Name	OJ990727_04.9A20.C3.o1.tw	Method	TBLASTX:Wheat
Start	31328	End	31732
GI	none	Score	525
Exons	31328..31681, 31329..31730, 31358..31732, 31461..31730		

Seq. No.	15374	Seq. ID	OJ990727_04.9A20.C3
Gene No.	32634	Strand	-
Start	29986	End	35759
Name	OJ990727_04.9A20.C3.o3.tm	Method	TBLASTX:Maize
Start	31383	End	31598
GI	none	Score	278
Exons	31383..31598, 31385..31597		

Seq. No.	15374	Seq. ID	OJ990727_04.9A20.C3
Gene No.	32634	Strand	-
Start	29986	End	35759
Name	OJ990727_04.9A20.C3.o2.tm	Method	TBLASTX:Maize
Start	31599	End	32032
GI	none	Score	407
Exons	31599..32000, 31599..31976, 31751..31999, 31982..32032		

Seq. No.	15374	Seq. ID	OJ990727_04.9A20.C3

Gene No.	32634	Strand	-
Start	29986	End	35759
Name	OJ990727_04.9A20.C3.o4.ts	Method	TBLASTX:Soybean
Start	31746	End	32136
GI	none	Score	169
Exons	31746..31991, 31757..31891, 32047..32136		

Seq. No.	15375	Seq. ID	OJ990727_04.9A20.C4
Gene No.	32635	Strand	+
Start	1	End	2601
Name	OJ990727_04.9A20.C4.o1.np	Method	AAT/NAP
Start	1	End	2601
GI	3777527	Score	347
Exons	1..23, 447..638, 906..1754, 2581..2601		
GI Descrip.	(AF053008) gag-pol polyprotein [Glycine max]		

Seq. No.	15375	Seq. ID	OJ990727_04.9A20.C4
Gene No.	32635	Strand	+
Start	1	End	2601
Name	OJ990727_04.9A20.C4.o1.gs	Method	GENSCAN
Start	15	End	2501
GI	none	Score	.6
Exons	15..460, 532..724, 984..1055, 2199..2362, 2364..2501		

Seq. No.	15375	Seq. ID	OJ990727_04.9A20.C4
Gene No.	32635	Strand	+
Start	1	End	2601
Name	OJ990727_04.9A20.C4.o1.tm	Method	TBLASTX:Maize
Start	1311	End	1623
GI	none	Score	104
Exons	1311..1472, 1495..1623		

Seq. No.	15376	Seq. ID	OJ990727_04.9A20.C5
Gene No.	32636	Strand	+
Start	3432	End	3814
Name	OJ990727_04.9A20.C5.o2.gs	Method	GENSCAN
Start	3432	End	3814
GI	none	Score	.64
Exons	3432..3523, 3544..3814		

Seq. No.	15376	Seq. ID	OJ990727_04.9A20.C5
Gene No.	32637	Strand	+
Start	4813	End	6197
Name	OJ990727_04.9A20.C5.o3.gs	Method	GENSCAN
Start	4813	End	6197
GI	none	Score	.72
Exons	4813..4825, 5301..5439, 5449..5517, 5584..5744, 5797..6197		

Seq. No.	15376	Seq. ID	OJ990727_04.9A20.C5
Gene No.	32638	Strand	+
Start	6998	End	7877
Name	OJ990727_04.9A20.C5.o3.np	Method	AAT/NAP
Start	6998	End	7877
GI	5852178	Score	289
Exons	6998..7264, 7295..7429, 7793..7877		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	15376	Seq. ID	OJ990727_04.9A20.C5
Gene No.	32639	Strand	-
Start	456	End	1822
Name	OJ990727_04.9A20.C5.o1.np	Method	AAT/NAP
Start	441	End	1822
GI	116380	Score	900
Exons	441..1462, 1633..1822		
GI Descrip.	CHALCONE SYNTHASE C2 (NARINGENIN-CHALCONE SYNTHASE C2) gi\|66554\|pir\|\|SYZMCC naringenin-chalcone synthase (EC 2.3.1.74) c2 - maize gi\|22218\|emb\|CAA42764\| (X60205) chalcone synthase [Zea mays]		

Seq. No.	15376	Seq. ID	OJ990727_04.9A20.C5
Gene No.	32639	Strand	-
Start	456	End	1822
Name	OJ990727_04.9A20.C5.o1.gs	Method	GENSCAN
Start	456	End	1433
GI	none	Score	.41
Exons	456..1433		

Seq. No.	15376	Seq. ID	OJ990727_04.9A20.C5
Gene No.	32640	Strand	-
Start	3362	End	7558
Name	OJ990727_04.9A20.C5.o1.tc	Method	TBLASTX:Cress
Start	463	End	1801
GI	none	Score	134
Exons	463..642, 465..755, 762..950, 1014..1457, 1135..1452, 1631..1801		

Seq. No.	15376	Seq. ID	OJ990727_04.9A20.C5
Gene No.	32640	Strand	-
Start	3362	End	7558
Name	OJ990727_04.9A20.C5.o1.ts	Method	TBLASTX:Soybean
Start	463	End	1801
GI	none	Score	122
Exons	463..651, 465..755, 762..953, 990..1370, 995..1117, 1014..1460, 1135..1458, 1628..1801		

Seq. No.	15376	Seq. ID	OJ990727_04.9A20.C5
Gene No.	32640	Strand	-
Start	3362	End	7558
Name	OJ990727_04.9A20.C5.o1.tm	Method	TBLASTX:Maize
Start	465	End	1816
GI	none	Score	141
Exons	465..755, 466..630, 477..632, 762..953, 774..926, 910..954, 968..1123, 969..1466, 1014..1457, 1631..1816		

Seq. No.	15376	Seq. ID	OJ990727_04.9A20.C5
Gene No.	32640	Strand	-
Start	3362	End	7558
Name	OJ990727_04.9A20.C5.o2.np	Method	AAT/NAP
Start	3362	End	7558
GI	6907106	Score	250
Exons	3362..3531, 3605..3752, 6960..7249, 7286..7389, 7434..7558		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	15376	Seq. ID	OJ990727_04.9A20.C5

Gene No.	32640	Strand	-
Start	3362	End	7558
Name	OJ990727_04.9A20.C5.o1.tw	Method	TBLASTX:Wheat
Start	5486	End	5814
GI	none	Score	96
Exons	5486..5602, 5618..5680, 5692..5814		

Seq. No.	15376	Seq. ID	OJ990727_04.9A20.C5
Gene No.	32640	Strand	-
Start	3362	End	7558
Name	OJ990727_04.9A20.C5.o4.gs	Method	GENSCAN
Start	7064	End	7414
GI	none	Score	.76
Exons	7064..7272, 7319..7414		

Seq. No.	15377	Seq. ID	OJ990727_04.9A20.C6
Gene No.	32641	Strand	+
Start	1	End	632
Name	OJ990727_04.9A20.C6.o1.np	Method	AAT/NAP
Start	1	End	632
GI	6063554	Score	126
Exons	1..37, 476..632		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	15377	Seq. ID	OJ990727_04.9A20.C6
Gene No.	32642	Strand	+
Start	1017	End	3625
Name	OJ990727_04.9A20.C6.o1.gs	Method	GENSCAN
Start	1017	End	3625
GI	none	Score	.47
Exons	1017..1025, 1801..1947, 2123..2267, 3124..3201, 3510..3625		

Seq. No.	15377	Seq. ID	OJ990727_04.9A20.C6
Gene No.	32642	Strand	+
Start	1017	End	3625
Name	OJ990727_04.9A20.C6.o3.np	Method	AAT/NAP
Start	1756	End	3473
GI	2522230	Score	94
Exons	1756..1865, 3130..3473		
GI Descrip.	(AB007467) retrotransposon-like gene; the first amino acid was determined to be leucine [Vicia faba]		

Seq. No.	15377	Seq. ID	OJ990727_04.9A20.C6
Gene No.	32642	Strand	+
Start	1017	End	3625
Name	OJ990727_04.9A20.C6.o2.np	Method	AAT/NAP
Start	1801	End	2602
GI	4512231	Score	1009
Exons	1801..2602		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	15377	Seq. ID	OJ990727_04.9A20.C6
Gene No.	32643	Strand	+
Start	9091	End	9682
Name	OJ990727_04.9A20.C6.o3.gs	Method	GENSCAN

Start	9091	End	9682
GI	none	Score	.57
Exons	9091..9256, 9273..9353, 9483..9682		

Seq. No.	15377	Seq. ID	OJ990727_04.9A20.C6
Gene No.	32644	Strand	+
Start	10647	End	20659
Name	OJ990727_04.9A20.C6.o4.np	Method	AAT/NAP
Start	10647	End	20659
GI	6063554	Score	330
Exons	10647..10708, 17570..17633, 19045..19187, 19823..19851, 20486..20659		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	15377	Seq. ID	OJ990727_04.9A20.C6
Gene No.	32644	Strand	+
Start	10647	End	20659
Name	OJ990727_04.9A20.C6.o4.gs	Method	GENSCAN
Start	11720	End	11962
GI	none	Score	.84
Exons	11720..11962		

Seq. No.	15377	Seq. ID	OJ990727_04.9A20.C6
Gene No.	32644	Strand	+
Start	10647	End	20659
Name	OJ990727_04.9A20.C6.o6.gs	Method	GENSCAN
Start	15997	End	19923
GI	none	Score	.58
Exons	15997..16227, 16232..16479, 17212..17323, 17470..17579, 17617..17820, 18767..18942, 18944..19197, 19251..19404, 19823..19923		

Seq. No.	15377	Seq. ID	OJ990727_04.9A20.C6
Gene No.	32645	Strand	+
Start	20832	End	24569
Name	OJ990727_04.9A20.C6.o5.np	Method	AAT/NAP
Start	20539	End	20659
GI	6063554	Score	171
Exons	20539..20659		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	15377	Seq. ID	OJ990727_04.9A20.C6
Gene No.	32645	Strand	+
Start	20832	End	24569
Name	OJ990727_04.9A20.C6.o7.gs	Method	GENSCAN
Start	20832	End	23430
GI	none	Score	.54
Exons	20832..20835, 21839..21862, 23151..23183, 23204..23430		

Seq. No.	15377	Seq. ID	OJ990727_04.9A20.C6
Gene No.	32645	Strand	+
Start	20832	End	24569
Name	OJ990727_04.9A20.C6.o1.gp	Method	AAT/GAP

Start	21839	End	23318
GI	61605_1.R1084	Score	580
Exons	21839..21919, 23046..23318		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	15377	Seq. ID	OJ990727_04.9A20.C6
Gene No.	32645	Strand	+
Start	20832	End	24569
Name	OJ990727_04.9A20.C6.o6.np	Method	AAT/NAP
Start	22433	End	24569
GI	6063554	Score	142
Exons	22433..22471, 24397..24569		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	15377	Seq. ID	OJ990727_04.9A20.C6
Gene No.	32646	Strand	+
Start	30726	End	39200
Name	OJ990727_04.9A20.C6.o9.gs	Method	GENSCAN
Start	30726	End	39200
GI	none	Score	.45
Exons	30726..31099, 31192..31296, 32102..32206, 33321..33433, 33484..33715, 34151..35496, 35551..37087, 37184..39200		

Seq. No.	15377	Seq. ID	OJ990727_04.9A20.C6
Gene No.	32646	Strand	+
Start	30726	End	39200
Name	OJ990727_04.9A20.C6.o2.gp	Method	AAT/GAP
Start	32157	End	32393
GI	uC-osf1cyp033a04b1	Score	411
Exons	32157..32393		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	15377	Seq. ID	OJ990727_04.9A20.C6
Gene No.	32646	Strand	+
Start	30726	End	39200
Name	OJ990727_04.9A20.C6.o11.np	Method	AAT/NAP
Start	34155	End	39075
GI	5922631	Score	4857
Exons	34155..34279, 34538..34782, 35032..35241, 35287..35851, 35894..36045, 36172..37095, 37702..39075		
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi\|6016864\|dbj\|BAA85207.1\| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ		

Seq. No.	15377	Seq. ID	OJ990727_04.9A20.C6
Gene No.	32647	Strand	-
Start	12166	End	15379
Name	OJ990727_04.9A20.C6.o5.gs	Method	GENSCAN
Start	12166	End	15379

GI	none	Score	.42
Exons	12166..12524, 12795..12894, 13514..13582, 13772..14137, 14195..14473, 14873..15038, 15315..15379		

Seq. No.	15377	Seq. ID	OJ990727_04.9A20.C6
Gene No.	32648	Strand	-
Start	24181	End	26721
Name	OJ990727_04.9A20.C6.o7.np	Method	AAT/NAP
Start	24181	End	26721
GI	4325357	Score	116
Exons	24181..24213, 26117..26467, 26671..26721		
GI Descrip.	(AF128395) contains similarity to Arabidopsis thaliana retrotransposon Athila hypothetical protein 1 (GB:X81801) [Arabidopsis thaliana]		

Seq. No.	15377	Seq. ID	OJ990727_04.9A20.C6
Gene No.	32649	Strand	-
Start	30852	End	34034
Name	OJ990727_04.9A20.C6.o8.np	Method	AAT/NAP
Start	30852	End	33513
GI	5852180	Score	442
Exons	30852..31255, 31307..31415, 33487..33513		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	15377	Seq. ID	OJ990727_04.9A20.C6
Gene No.	32649	Strand	-
Start	30852	End	34034
Name	OJ990727_04.9A20.C6.o9.np	Method	AAT/NAP
Start	32090	End	34034
GI	4680186	Score	349
Exons	32090..32290, 34014..34034		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	15377	Seq. ID	OJ990727_04.9A20.C6
Gene No.	32650	Strand	-
Start	39141	End	39349
Name	OJ990727_04.9A20.C6.o5.tw	Method	TBLASTX:Wheat
Start	35456	End	35858
GI	none	Score	279
Exons	35456..35725, 35457..35858		

Seq. No.	15377	Seq. ID	OJ990727_04.9A20.C6
Gene No.	32650	Strand	-
Start	39141	End	39349
Name	OJ990727_04.9A20.C6.o4.tw	Method	TBLASTX:Wheat
Start	36435	End	36892
GI	none	Score	149
Exons	36435..36611, 36656..36892, 36660..36890		

Seq. No.	15377	Seq. ID	OJ990727_04.9A20.C6
Gene No.	32650	Strand	-
Start	39141	End	39349
Name	OJ990727_04.9A20.C6.o1.tw	Method	TBLASTX:Wheat
Start	37112	End	37568
GI	none	Score	497
Exons	37112..37567, 37113..37568		

Seq. No.	15377	Seq. ID	OJ990727_04.9A20.C6
Gene No.	32650	Strand	-
Start	39141	End	39349
Name	OJ990727_04.9A20.C6.o3.ts	Method	TBLASTX:Soybean
Start	37152	End	37517
GI	none	Score	138
Exons	37152..37376, 37383..37517		

Seq. No.	15377	Seq. ID	OJ990727_04.9A20.C6
Gene No.	32650	Strand	-
Start	39141	End	39349
Name	OJ990727_04.9A20.C6.o1.tm	Method	TBLASTX:Maize
Start	37242	End	37598
GI	none	Score	375
Exons	37242..37598, 37283..37588		

Seq. No.	15377	Seq. ID	OJ990727_04.9A20.C6
Gene No.	32650	Strand	-
Start	39141	End	39349
Name	OJ990727_04.9A20.C6.o2.tw	Method	TBLASTX:Wheat
Start	37683	End	38107
GI	none	Score	438
Exons	37683..38102, 37727..38107, 37748..38107		

Seq. No.	15377	Seq. ID	OJ990727_04.9A20.C6
Gene No.	32650	Strand	-
Start	39141	End	39349
Name	OJ990727_04.9A20.C6.o1.ts	Method	TBLASTX:Soybean
Start	37731	End	38162
GI	none	Score	312
Exons	37731..38162, 37778..37921, 37958..38128		

Seq. No.	15377	Seq. ID	OJ990727_04.9A20.C6
Gene No.	32650	Strand	-
Start	39141	End	39349
Name	OJ990727_04.9A20.C6.o2.tm	Method	TBLASTX:Maize
Start	37829	End	38273
GI	none	Score	269
Exons	37829..38083, 37830..38084, 38105..38236, 38106..38249, 38247..38273		

Seq. No.	15377	Seq. ID	OJ990727_04.9A20.C6
Gene No.	32650	Strand	-
Start	39141	End	39349
Name	OJ990727_04.9A20.C6.o6.tw	Method	TBLASTX:Wheat
Start	38111	End	38393
GI	none	Score	276
Exons	38111..38188, 38112..38393, 38121..38381		

Seq. No.	15377	Seq. ID	OJ990727_04.9A20.C6
Gene No.	32650	Strand	-
Start	39141	End	39349
Name	OJ990727_04.9A20.C6.o2.ts	Method	TBLASTX:Soybean
Start	38388	End	38776
GI	none	Score	261
Exons	38388..38774, 38396..38776		

Seq. No.	15377	Seq. ID	OJ990727_04.9A20.C6
Gene No.	32650	Strand	-
Start	39141	End	39349
Name	OJ990727_04.9A20.C6.o3.tw	Method	TBLASTX:Wheat
Start	38397	End	38819
GI	none	Score	412
Exons	38397..38819, 38405..38809		

Seq. No.	15377	Seq. ID	OJ990727_04.9A20.C6
Gene No.	32650	Strand	-
Start	39141	End	39349
Name	OJ990727_04.9A20.C6.o3.tm	Method	TBLASTX:Maize
Start	38649	End	38903
GI	none	Score	193
Exons	38649..38903		

Seq. No.	15377	Seq. ID	OJ990727_04.9A20.C6
Gene No.	32650	Strand	-
Start	39141	End	39349
Name	OJ990727_04.9A20.C6.o3.gp	Method	AAT/GAP
Start	39141	End	39349
GI	1631463	Score	350
Exons	39141..39349		
GI Descrip.	4680178/gb\|AF111709.1\|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	15378	Seq. ID	OJ990727_04.9A20.C7
Gene No.	32651	Strand	+
Start	6731	End	10829
Name	OJ990727_04.9A20.C7.o3.np	Method	AAT/NAP
Start	6731	End	10829
GI	5902445	Score	2054
Exons	6731..6792, 9574..10829		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	15378	Seq. ID	OJ990727_04.9A20.C7
Gene No.	32652	Strand	-
Start	281	End	6465
Name	OJ990727_04.9A20.C7.o1.gs	Method	GENSCAN
Start	281	End	6465
GI	none	Score	.95
Exons	281..4846, 5190..5404, 5437..6010, 6340..6465		

Seq. No.	15378	Seq. ID	OJ990727_04.9A20.C7
Gene No.	32652	Strand	-
Start	281	End	6465
Name	OJ990727_04.9A20.C7.o1.np	Method	AAT/NAP
Start	284	End	4846
GI	4680179	Score	7849
Exons	284..4846		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	15378	Seq. ID	OJ990727_04.9A20.C7
Gene No.	32652	Strand	-
Start	281	End	6465
Name	OJ990727_04.9A20.C7.o2.np	Method	AAT/NAP

Start	5102	End	5944
GI	5042448	Score	1132
Exons	5102..5334, 5365..5944		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	15378	Seq. ID	OJ990727_04.9A20.C7
Gene No.	32653	Strand	-
Start	6572	End	7916
Name	OJ990727_04.9A20.C7.o1.gp	Method	AAT/GAP
Start	6572	End	7916
GI	1631463	Score	438
Exons	6572..6780, 7846..7916		
GI Descrip.	4680178/gb\|AF111709.1\|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	15378	Seq. ID	OJ990727_04.9A20.C7
Gene No.	32654	Strand	-
Start	11149	End	14088
Name	OJ990727_04.9A20.C7.o10.tm	Method	TBLASTX:Maize
Start	308	End	505
GI	none	Score	185
Exons	308..505		

Seq. No.	15378	Seq. ID	OJ990727_04.9A20.C7
Gene No.	32654	Strand	-
Start	11149	End	14088
Name	OJ990727_04.9A20.C7.o7.tw	Method	TBLASTX:Wheat
Start	329	End	661
GI	none	Score	70
Exons	329..661, 350..511, 453..569, 554..655		

Seq. No.	15378	Seq. ID	OJ990727_04.9A20.C7
Gene No.	32654	Strand	-
Start	11149	End	14088
Name	OJ990727_04.9A20.C7.o1.tm	Method	TBLASTX:Maize
Start	509	End	1108
GI	none	Score	251
Exons	509..949, 522..947, 947..1108, 954..1100		

Seq. No.	15378	Seq. ID	OJ990727_04.9A20.C7
Gene No.	32654	Strand	-
Start	11149	End	14088
Name	OJ990727_04.9A20.C7.o1.tw	Method	TBLASTX:Wheat
Start	662	End	10463
GI	none	Score	347
Exons	662..1288, 663..1286, 10134..10325, 10353..10463		

Seq. No.	15378	Seq. ID	OJ990727_04.9A20.C7
Gene No.	32654	Strand	-
Start	11149	End	14088
Name	OJ990727_04.9A20.C7.o5.tm	Method	TBLASTX:Maize
Start	1157	End	1448
GI	none	Score	254
Exons	1157..1447, 1161..1448		

Seq. No.	15378	Seq. ID	OJ990727_04.9A20.C7
Gene No.	32654	Strand	-
Start	11149	End	14088
Name	OJ990727_04.9A20.C7.o2.ts	Method	TBLASTX:Soybean
Start	1247	End	1507
GI	none	Score	150
Exons	1247..1507, 1248..1502		

Seq. No.	15378	Seq. ID	OJ990727_04.9A20.C7
Gene No.	32654	Strand	-
Start	11149	End	14088
Name	OJ990727_04.9A20.C7.o1.tc	Method	TBLASTX:Cress
Start	1271	End	1588
GI	none	Score	90
Exons	1271..1414, 1272..1412, 1415..1588		

Seq. No.	15378	Seq. ID	OJ990727_04.9A20.C7
Gene No.	32654	Strand	-
Start	11149	End	14088
Name	OJ990727_04.9A20.C7.o3.tw	Method	TBLASTX:Wheat
Start	1295	End	1774
GI	none	Score	239
Exons	1295..1774, 1296..1550, 1328..1741		

Seq. No.	15378	Seq. ID	OJ990727_04.9A20.C7
Gene No.	32654	Strand	-
Start	11149	End	14088
Name	OJ990727_04.9A20.C7.o2.tw	Method	TBLASTX:Wheat
Start	1778	End	2287
GI	none	Score	255
Exons	1778..2287, 1862..2209, 1944..2255		

Seq. No.	15378	Seq. ID	OJ990727_04.9A20.C7
Gene No.	32654	Strand	-
Start	11149	End	14088
Name	OJ990727_04.9A20.C7.o2.tm	Method	TBLASTX:Maize
Start	1850	End	2215
GI	none	Score	159
Exons	1850..2161, 1862..2215, 1947..2213		

Seq. No.	15378	Seq. ID	OJ990727_04.9A20.C7
Gene No.	32654	Strand	-
Start	11149	End	14088
Name	OJ990727_04.9A20.C7.o3.ts	Method	TBLASTX:Soybean
Start	2036	End	2281
GI	none	Score	204
Exons	2036..2281		

Seq. No.	15378	Seq. ID	OJ990727_04.9A20.C7
Gene No.	32654	Strand	-
Start	11149	End	14088
Name	OJ990727_04.9A20.C7.o4.tm	Method	TBLASTX:Maize
Start	2252	End	2752
GI	none	Score	90
Exons	2252..2587, 2367..2501, 2573..2752		

Seq. No.	15378	Seq. ID	OJ990727_04.9A20.C7

Gene No.	32654	Strand	-
Start	11149	End	14088
Name	OJ990727_04.9A20.C7.o6.tw	Method	TBLASTX:Wheat
Start	2288	End	2590
GI	none	Score	234
Exons	2288..2590, 2289..2570, 2488..2589		

Seq. No.	15378	Seq. ID	OJ990727_04.9A20.C7
Gene No.	32654	Strand	-
Start	11149	End	14088
Name	OJ990727_04.9A20.C7.o1.ts	Method	TBLASTX:Soybean
Start	2303	End	2698
GI	none	Score	169
Exons	2303..2662, 2304..2567, 2582..2662, 2666..2698, 2667..2696		

Seq. No.	15378	Seq. ID	OJ990727_04.9A20.C7
Gene No.	32654	Strand	-
Start	11149	End	14088
Name	OJ990727_04.9A20.C7.o4.tw	Method	TBLASTX:Wheat
Start	2639	End	3121
GI	none	Score	167
Exons	2639..3121, 2648..2992, 2682..3017		

Seq. No.	15378	Seq. ID	OJ990727_04.9A20.C7
Gene No.	32654	Strand	-
Start	11149	End	14088
Name	OJ990727_04.9A20.C7.o4.ts	Method	TBLASTX:Soybean
Start	2771	End	3085
GI	none	Score	183
Exons	2771..3085		

Seq. No.	15378	Seq. ID	OJ990727_04.9A20.C7
Gene No.	32654	Strand	-
Start	11149	End	14088
Name	OJ990727_04.9A20.C7.o6.tm	Method	TBLASTX:Maize
Start	2820	End	3109
GI	none	Score	165
Exons	2820..3011, 2822..3109		

Seq. No.	15378	Seq. ID	OJ990727_04.9A20.C7
Gene No.	32654	Strand	-
Start	11149	End	14088
Name	OJ990727_04.9A20.C7.o9.tw	Method	TBLASTX:Wheat
Start	3284	End	3700
GI	none	Score	104
Exons	3284..3466, 3285..3440, 3506..3700, 3552..3650		

Seq. No.	15378	Seq. ID	OJ990727_04.9A20.C7
Gene No.	32654	Strand	-
Start	11149	End	14088
Name	OJ990727_04.9A20.C7.o8.tm	Method	TBLASTX:Maize
Start	4043	End	4339
GI	none	Score	110
Exons	4043..4339, 4055..4339, 4152..4322		

Seq. No.	15378	Seq. ID	OJ990727_04.9A20.C7
Gene No.	32654	Strand	-

Start	11149	End	14088
Name	OJ990727_04.9A20.C7.o8.tw	Method	TBLASTX:Wheat
Start	4220	End	4579
GI	none	Score	96
Exons	4220..4579, 4221..4454, 4479..4553		

Seq. No.	15378	Seq. ID	OJ990727_04.9A20.C7
Gene No.	32654	Strand	-
Start	11149	End	14088
Name	OJ990727_04.9A20.C7.o3.tm	Method	TBLASTX:Maize
Start	9699	End	10061
GI	none	Score	447
Exons	9699..10022, 9719..10042, 9719..10009, 10013..10060, 10014..10061		

Seq. No.	15378	Seq. ID	OJ990727_04.9A20.C7
Gene No.	32654	Strand	-
Start	11149	End	14088
Name	OJ990727_04.9A20.C7.o5.tw	Method	TBLASTX:Wheat
Start	9704	End	10091
GI	none	Score	420
Exons	9704..10015, 9705..10091, 9906..10091		

Seq. No.	15378	Seq. ID	OJ990727_04.9A20.C7
Gene No.	32654	Strand	-
Start	11149	End	14088
Name	OJ990727_04.9A20.C7.o9.tm	Method	TBLASTX:Maize
Start	10163	End	10436
GI	none	Score	95
Exons	10163..10270, 10164..10262, 10253..10339, 10257..10340, 10350..10436		

Seq. No.	15378	Seq. ID	OJ990727_04.9A20.C7
Gene No.	32654	Strand	-
Start	11149	End	14088
Name	OJ990727_04.9A20.C7.o7.tm	Method	TBLASTX:Maize
Start	10548	End	10781
GI	none	Score	149
Exons	10548..10700, 10640..10699, 10679..10780, 10680..10781		

Seq. No.	15378	Seq. ID	OJ990727_04.9A20.C7
Gene No.	32654	Strand	-
Start	11149	End	14088
Name	OJ990727_04.9A20.C7.o11.tw	Method	TBLASTX:Wheat
Start	10584	End	10832
GI	none	Score	172
Exons	10584..10763, 10797..10832		

Seq. No.	15378	Seq. ID	OJ990727_04.9A20.C7
Gene No.	32654	Strand	-
Start	11149	End	14088
Name	OJ990727_04.9A20.C7.o3.gs	Method	GENSCAN
Start	11149	End	14088
GI	none	Score	.86
Exons	11149..11597, 11670..11774, 11842..12031, 12107..12294, 12369..12745, 12827..12984, 13204..14088		

Seq. No.	15378	Seq. ID	OJ990727_04.9A20.C7
Gene No.	32654	Strand	-
Start	11149	End	14088
Name	OJ990727_04.9A20.C7.o4.np	Method	AAT/NAP
Start	11152	End	14088
GI	6691716	Score	2392
Exons	11152..11597, 11670..11786, 11932..12031, 12107..12294, 12440..12745, 12827..13019, 13218..14088		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	15378	Seq. ID	OJ990727_04.9A20.C7
Gene No.	32654	Strand	-
Start	11149	End	14088
Name	OJ990727_04.9A20.C7.o10.tw	Method	TBLASTX:Wheat
Start	13678	End	13968
GI	none	Score	216
Exons	13678..13968		

Seq. No.	15379	Seq. ID	OJ990727_04.9A20.C8
Gene No.	32655	Strand	+
Start	382	End	656
Name	OJ990727_04.9A20.C8.o1.gp	Method	AAT/GAP
Start	382	End	656
GI	61605_1.R1084	Score	459
Exons	382..656		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	15379	Seq. ID	OJ990727_04.9A20.C8
Gene No.	32656	Strand	-
Start	1	End	2234
Name	OJ990727_04.9A20.C8.o1.np	Method	AAT/NAP
Start	1	End	2234
GI	4680186	Score	56
Exons	1..22, 1302..1341, 2181..2234		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	15379	Seq. ID	OJ990727_04.9A20.C8
Gene No.	32656	Strand	-
Start	1	End	2234
Name	OJ990727_04.9A20.C8.o1.gs	Method	GENSCAN
Start	1281	End	1491
GI	none	Score	.59
Exons	1281..1341, 1438..1491		

Seq. No.	15380	Seq. ID	OJ990727_04.9A20.C9
Gene No.	32657	Strand	+
Start	8	End	347
Name	OJ990727_04.9A20.C9.o1.gs	Method	GENSCAN
Start	8	End	347
GI	none	Score	.72
Exons	8..91, 252..347		

Seq. No.	15380	Seq. ID	OJ990727_04.9A20.C9
Gene No.	32658	Strand	-

Start	1111	End	1362
Name	OJ990727_04.9A20.C9.o1.tw	Method	TBLASTX:Wheat
Start	651	End	970
GI	none	Score	94
Exons	651..743, 652..744, 653..802, 829..900, 831..923, 936..962,	752..817, 938..970	753..818, 757..819,

Seq. No.	15380	Seq. ID	OJ990727_04.9A20.C9
Gene No.	32658	Strand	-
Start	1111	End	1362
Name	OJ990727_04.9A20.C9.o1.np	Method	AAT/NAP
Start	1111	End	1362
GI	6630696	Score	350
Exons	1111..1362		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	15381	Seq. ID	OJ990727_04.9A20.C10
Gene No.	32659	Strand	+
Start	210	End	273
Name	OJ990727_04.9A20.C10.o1.gs	Method	GENSCAN
Start	210	End	273
GI	none	Score	.48
Exons	210..273		

Seq. No.	15382	Seq. ID	OJ990727_04.9A20.C11
Gene No.	32660	Strand	+
Start	8740	End	10224
Name	OJ990727_04.9A20.C11.o2.gs	Method	GENSCAN
Start	8740	End	10224
GI	none	Score	.4
Exons	8740..10224		

Seq. No.	15382	Seq. ID	OJ990727_04.9A20.C11
Gene No.	32660	Strand	+
Start	8740	End	10224
Name	OJ990727_04.9A20.C11.o2.np	Method	AAT/NAP
Start	8755	End	10197
GI	4914344	Score	611
Exons	8755..10197		
GI Descrip.	(AC005489) F14N23.30 [Arabidopsis thaliana]		

Seq. No.	15382	Seq. ID	OJ990727_04.9A20.C11
Gene No.	32661	Strand	+
Start	20465	End	21715
Name	OJ990727_04.9A20.C11.o4.gs	Method	GENSCAN
Start	20465	End	21715
GI	none	Score	.65
Exons	20465..20513, 20764..20924, 21626..21715	21363..21389,	21452..21541,

Seq. No.	15382	Seq. ID	OJ990727_04.9A20.C11
Gene No.	32661	Strand	+
Start	20465	End	21715
Name	OJ990727_04.9A20.C11.o3.gp	Method	AAT/GAP
Start	20619	End	21140

GI	LIB3434-038-P1-K1-F1	Score	770
Exons	20619..21140		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 0.0e+00 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	15382	Seq. ID	OJ990727_04.9A20.C11
Gene No.	32662	Strand	-
Start	1	End	3087
Name	OJ990727_04.9A20.C11.o1.np	Method	AAT/NAP
Start	1	End	3087
GI	6630696	Score	5223
Exons	1..3087		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	15382	Seq. ID	OJ990727_04.9A20.C11
Gene No.	32662	Strand	-
Start	1	End	3087
Name	OJ990727_04.9A20.C11.o1.gp	Method	AAT/GAP
Start	2155	End	3045
GI	101595_1.R1084	Score	1391
Exons	2155..2229, 2345..3045		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	15382	Seq. ID	OJ990727_04.9A20.C11
Gene No.	32663	Strand	-
Start	22538	End	22837
Name	OJ990727_04.9A20.C11.o2.tw	Method	TBLASTX:Wheat
Start	22	End	648
GI	none	Score	68
Exons	22..87, 103..309, 304..648, 464..631		

Seq. No.	15382	Seq. ID	OJ990727_04.9A20.C11
Gene No.	32663	Strand	-
Start	22538	End	22837
Name	OJ990727_04.9A20.C11:o2.tm	Method	TBLASTX:Maize
Start	184	End	649
GI	none	Score	61
Exons	184..648, 287..397, 433..495, 518..649		

Seq. No.	15382	Seq. ID	OJ990727_04.9A20.C11
Gene No.	32663	Strand	-
Start	22538	End	22837
Name	OJ990727_04.9A20.C11.o1.ts	Method	TBLASTX:Soybean
Start	319	End	783
GI	5509260	Score	48
Exons	319..783, 464..502, 557..688		
GI Descrip.	-		

Seq. No.	15382	Seq. ID	OJ990727_04.9A20.C11
Gene No.	32663	Strand	-
Start	22538	End	22837
Name	OJ990727_04.9A20.C11.o1.tc	Method	TBLASTX:Cress
Start	430	End	690
GI	none	Score	109

Exons	430..690, 518..688		
Seq. No.	15382	Seq. ID	OJ990727_04.9A20.C11
Gene No.	32663	Strand	-
Start	22538	End	22837
Name	OJ990727_04.9A20.C11.o1.tw	Method	TBLASTX:Wheat
Start	703	End	1458
GI	none	Score	125
Exons	703..885, 703..1458, 953..1450		
Seq. No.	15382	Seq. ID	OJ990727_04.9A20.C11
Gene No.	32663	Strand	-
Start	22538	End	22837
Name	OJ990727_04.9A20.C11.o2.ts	Method	TBLASTX:Soybean
Start	1108	End	1506
GI	none	Score	102
Exons	1108..1281, 1285..1506, 1289..1504		
Seq. No.	15382	Seq. ID	OJ990727_04.9A20.C11
Gene No.	32663	Strand	-
Start	22538	End	22837
Name	OJ990727_04.9A20.C11.o4.tm	Method	TBLASTX:Maize
Start	1294	End	1758
GI	none	Score	79
Exons	1294..1758, 1301..1519		
Seq. No.	15382	Seq. ID	OJ990727_04.9A20.C11
Gene No.	32663	Strand	-
Start	22538	End	22837
Name	OJ990727_04.9A20.C11.o4.tw	Method	TBLASTX:Wheat
Start	1459	End	1651
GI	none	Score	131
Exons	1459..1650, 1460..1651		
Seq. No.	15382	Seq. ID	OJ990727_04.9A20.C11
Gene No.	32663	Strand	-
Start	22538	End	22837
Name	OJ990727_04.9A20.C11.o1.tm	Method	TBLASTX:Maize
Start	1870	End	2214
GI	none	Score	369
Exons	1870..1908, 1940..2212, 1940..2212, 1941..2213, 1942..2214		
Seq. No.	15382	Seq. ID	OJ990727_04.9A20.C11
Gene No.	32663	Strand	-
Start	22538	End	22837
Name	OJ990727_04.9A20.C11.o3.tm	Method	TBLASTX:Maize
Start	2737	End	3045
GI	none	Score	139
Exons	2737..3045, 2740..2931, 2816..2998		
Seq. No.	15382	Seq. ID	OJ990727_04.9A20.C11
Gene No.	32663	Strand	-
Start	22538	End	22837
Name	OJ990727_04.9A20.C11.o3.tw	Method	TBLASTX:Wheat
Start	2796	End	3193
GI	none	Score	156
Exons	2796..2978, 2797..3081, 2816..3019, 3058..3192, 3119..3193		

Seq. No.	15382	Seq. ID	OJ990727_04.9A20.C11
Gene No.	32663	Strand	-
Start	22538	End	22837
Name	OJ990727_04.9A20.C11.o5.tm	Method	TBLASTX:Maize
Start	9595	End	9936
GI	none	Score	62
Exons	9595..9666, 9599..9670, 9720..9926, 9727..9936		

Seq. No.	15382	Seq. ID	OJ990727_04.9A20.C11
Gene No.	32663	Strand	-
Start	22538	End	22837
Name	OJ990727_04.9A20.C11.o2.tc	Method	TBLASTX:Cress
Start	9717	End	9963
GI	none	Score	216
Exons	9717..9926, 9733..9963		

Seq. No.	15382	Seq. ID	OJ990727_04.9A20.C11
Gene No.	32663	Strand	-
Start	22538	End	22837
Name	OJ990727_04.9A20.C11.o5.tw	Method	TBLASTX:Wheat
Start	9720	End	9933
GI	none	Score	204
Exons	9720..9926, 9727..9933		

Seq. No.	15382	Seq. ID	OJ990727_04.9A20.C11
Gene No.	32663	Strand	-
Start	22538	End	22837
Name	OJ990727_04.9A20.C11.o3.ts	Method	TBLASTX:Soybean
Start	9736	End	9990
GI	none	Score	249
Exons	9736..9990		

Seq. No.	15382	Seq. ID	OJ990727_04.9A20.C11
Gene No.	32663	Strand	-
Start	22538	End	22837
Name	OJ990727_04.9A20.C11.o5.gs	Method	GENSCAN
Start	22538	End	22837
GI	none	Score	.68
Exons	22538..22837		

Seq. No.	15383	Seq. ID	OJ990727_04.9A20.C12
Gene No.	32664	Strand	+
Start	424	End	4929
Name	OJ990727_04.9A20.C12.o1.gs	Method	GENSCAN
Start	424	End	4670
GI	none	Score	.64
Exons	424..426, 1083..1191, 1265..1380, 1410..1675, 2395..2614, 2642..2954, 2999..3043, 3066..3109, 3371..4121, 4531..4670		

Seq. No.	15383	Seq. ID	OJ990727_04.9A20.C12
Gene No.	32664	Strand	+
Start	424	End	4929
Name	OJ990727_04.9A20.C12.o1.np	Method	AAT/NAP
Start	1068	End	4929
GI	5091513	Score	1384
Exons	1068..1693, 2438..3199, 3422..3651, 4518..4929		

GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	15383	Seq. ID	OJ990727_04.9A20.C12
Gene No.	32665	Strand	-
Start	1634	End	1904
Name	OJ990727_04.9A20.C12.o1.gp	Method	AAT/GAP
Start	1634	End	1904
GI	uC-osflcyp053f07a1	Score	333
Exons	1634..1904		
GI Descrip.	'5091496/dbj\|AB023482.2\|AB023482 3.0e-38 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		
Seq. No.	15384	Seq. ID	OJ990617_06.9A27.C2
Gene No.	32666	Strand	-
Start	302	End	770
Name	OJ990617_06.9A27.C2.o1.gs	Method	GENSCAN
Start	302	End	770
GI	none	Score	.95
Exons	302..463, 717..770		
Seq. No.	15385	Seq. ID	OJ990617_06.9A27.C3
Gene No.	32667	Strand	-
Start	76	End	353
Name	OJ990617_06.9A27.C3.o1.gp	Method	AAT/GAP
Start	76	End	353
GI	572083	Score	487
Exons	76..353		
GI Descrip.	3201970/gb\|AF068333\|AF068333 1.0e-09 Oryza sativa hypothetical secretory protein SH27A precursor, mRNA, complete cds		
Seq. No.	15385	Seq. ID	OJ990617_06.9A27.C3
Gene No.	32667	Strand	-
Start	76	End	353
Name	OJ990617_06.9A27.C3.o1.gs	Method	GENSCAN
Start	96	End	228
GI	none	Score	.98
Exons	96..228		
Seq. No.	15386	Seq. ID	OJ990617_06.9A27.C4
Gene No.	32668	Strand	+
Start	304	End	630
Name	OJ990617_06.9A27.C4.o1.tm	Method	TBLASTX:Maize
Start	303	End	630
GI	none	Score	413
Exons	303..629, 304..630		
Seq. No.	15386	Seq. ID	OJ990617_06.9A27.C4
Gene No.	32668	Strand	+
Start	304	End	630
Name	OJ990617_06.9A27.C4.o1.ts	Method	TBLASTX:Soybean
Start	303	End	615
GI	none	Score	373
Exons	303..584, 304..615		
Seq. No.	15386	Seq. ID	OJ990617_06.9A27.C4
Gene No.	32668	Strand	+
Start	304	End	630

Name	OJ990617_06.9A27.C4.o1.gs	Method	GENSCAN
Start	304	End	630
GI	none	Score	.94
Exons	304..630		

Seq. No.	15387	Seq. ID	OJ990617_06.9A27.C5
Gene No.	32669	Strand	+
Start	534	End	711
Name	OJ990617_06.9A27.C5.o1.gs	Method	GENSCAN
Start	534	End	711
GI	none	Score	.96
Exons	534..711		

Seq. No.	15388	Seq. ID	OJ990617_06.9A27.C6
Gene No.	32670	Strand	-
Start	1	End	312
Name	OJ990617_06.9A27.C6.o1.gp	Method	AAT/GAP
Start	1	End	124
GI	2311261	Score	140
Exons	1..124		
GI Descrip.	3236242 8.0e-15 (AC004684) putative ribosomal protein L36 [Arabidopsis thaliana]		

Seq. No.	15388	Seq. ID	OJ990617_06.9A27.C6
Gene No.	32670	Strand	-
Start	1	End	312
Name	OJ990617_06.9A27.C6.o1.np	Method	AAT/NAP
Start	1	End	110
GI	1710546	Score	93
Exons	1..110		
GI Descrip.	60S RIBOSOMAL PROTEIN L36 gi\|1276967 (U47095) putative ribosomal protein [Daucus carota]		

Seq. No.	15388	Seq. ID	OJ990617_06.9A27.C6
Gene No.	32670	Strand	-
Start	1	End	312
Name	OJ990617_06.9A27.C6.o1.gs	Method	GENSCAN
Start	20	End	312
GI	none	Score	.66
Exons	20..122, 256..312		

Seq. No.	15389	Seq. ID	OJ990617_06.9A27.C9
Gene No.	32671	Strand	+
Start	160	End	1217
Name	OJ990617_06.9A27.C9.o1.gs	Method	GENSCAN
Start	160	End	1217
GI	none	Score	.67
Exons	160..1217		

Seq. No.	15390	Seq. ID	OJ990617_06.9A27.C10
Gene No.	32672	Strand	+
Start	1688	End	2085
Name	OJ990617_06.9A27.C10.o2.tm	Method	TBLASTX:Maize
Start	728	End	928
GI	none	Score	143
Exons	728..928, 737..919		

Seq. No.	15390	Seq. ID	OJ990617_06.9A27.C10
Gene No.	32672	Strand	+
Start	1688	End	2085
Name	OJ990617_06.9A27.C10.o1.tc	Method	TBLASTX:Cress
Start	1343	End	1741
GI	none	Score	301
Exons	1343..1741, 1346..1501, 1417..1611		

Seq. No.	15390	Seq. ID	OJ990617_06.9A27.C10
Gene No.	32672	Strand	+
Start	1688	End	2085
Name	OJ990617_06.9A27.C10.o1.tm	Method	TBLASTX:Maize
Start	1352	End	1642
GI	none	Score	413
Exons	1352..1642, 1352..1528, 1354..1641, 1577..1642		

Seq. No.	15390	Seq. ID	OJ990617_06.9A27.C10
Gene No.	32672	Strand	+
Start	1688	End	2085
Name	OJ990617_06.9A27.C10.o1.gp	Method	AAT/GAP
Start	1688	End	2085
GI	none	Score	278
Exons	1688..1782, 1889..1917, 2037..2085		

Seq. No.	15391	Seq. ID	OJ990617_06.9A27.C11
Gene No.	32673	Strand	+
Start	1	End	1728
Name	OJ990617_06.9A27.C11.o1.gp	Method	AAT/GAP
Start	1	End	466
GI	none	Score	898
Exons	1..466		

Seq. No.	15391	Seq. ID	OJ990617_06.9A27.C11
Gene No.	32673	Strand	+
Start	1	End	1728
Name	OJ990617_06.9A27.C11.o1.gs	Method	GENSCAN
Start	298	End	1728
GI	none	Score	.7
Exons	298..667, 776..1728		

Seq. No.	15391	Seq. ID	OJ990617_06.9A27.C11
Gene No.	32674	Strand	+
Start	1735	End	1798
Name	OJ990617_06.9A27.C11.o1.tm	Method	TBLASTX:Maize
Start	33	End	499
GI	none	Score	231
Exons	33..251, 34..279, 41..268, 208..258, 286..312, 292..345, 292..351, 296..352, 298..351, 331..399, 410..499		

Seq. No.	15391	Seq. ID	OJ990617_06.9A27.C11
Gene No.	32674	Strand	+
Start	1735	End	1798
Name	OJ990617_06.9A27.C11.o2.tm	Method	TBLASTX:Maize
Start	1522	End	1749
GI	none	Score	142
Exons	1522..1665, 1524..1664, 1562..1732, 1675..1749, 1677..1748		

Seq. No.	15391	Seq. ID	OJ990617_06.9A27.C11
Gene No.	32674	Strand	+
Start	1735	End	1798
Name	OJ990617_06.9A27.C11.o2.gp	Method	AAT/GAP
Start	1735	End	1798
GI	none	Score	103
Exons	1735..1798		

Seq. No.	15392	Seq. ID	OJ990617_06.9A27.C12
Gene No.	32675	Strand	+
Start	51	End	121
Name	OJ990617_06.9A27.C12.o1.gs	Method	GENSCAN
Start	51	End	121
GI	none	Score	.71
Exons	51..121		

Seq. No.	15392	Seq. ID	OJ990617_06.9A27.C12
Gene No.	32676	Strand	+
Start	58	End	644
Name	OJ990617_06.9A27.C12.o1.gp	Method	AAT/GAP
Start	58	End	644
GI	none	Score	939
Exons	58..121, 212..644		

Seq. No.	15393	Seq. ID	OJ990617_06.9A27.C14
Gene No.	32677	Strand	+
Start	1	End	720
Name	OJ990617_06.9A27.C14.o1.gp	Method	AAT/GAP
Start	1	End	227
GI	7253_3.R1084	Score	260
Exons	1..32, 118..227		
GI Descrip.	'4581156/gb\|AAD24640.1\|AC006919_18 2.0e-26 (AC006919) putative pyruvate kinase [Arabidopsis thaliana]'		

Seq. No.	15393	Seq. ID	OJ990617_06.9A27.C14
Gene No.	32677	Strand	+
Start	1	End	720
Name	OJ990617_06.9A27.C14.o1.np	Method	AAT/NAP
Start	1	End	720
GI	4581156	Score	264
Exons	1..32, 118..273, 450..515, 656..720		
GI Descrip.	(AC006919) putative pyruvate kinase [Arabidopsis thaliana]		

Seq. No.	15393	Seq. ID	OJ990617_06.9A27.C14
Gene No.	32677	Strand	+
Start	1	End	720
Name	OJ990617_06.9A27.C14.o1.tm	Method	TBLASTX:Maize
Start	1	End	559
GI	none	Score	50
Exons	1..33, 3..35, 117..272, 118..273, 426..521, 430..528, 447..530, 449..559		

Seq. No.	15393	Seq. ID	OJ990617_06.9A27.C14
Gene No.	32677	Strand	+
Start	1	End	720
Name	OJ990617_06.9A27.C14.o1.ts	Method	TBLASTX:Soybean
Start	2	End	565

GI	none	Score	53
Exons	2..37, 3..35, 117..266, 118..312, 447..530, 449..565		

Seq. No.	15393	Seq. ID	OJ990617_06.9A27.C14
Gene No.	32677	Strand	+
Start	1	End	720
Name	OJ990617_06.9A27.C14.o1.tc	Method	TBLASTX:Cress
Start	3	End	547
GI	none	Score	52
Exons	3..35, 117..269, 118..273, 447..533, 461..547		

Seq. No.	15393	Seq. ID	OJ990617_06.9A27.C14
Gene No.	32677	Strand	+
Start	1	End	720
Name	OJ990617_06.9A27.C14.o1.gs	Method	GENSCAN
Start	118	End	527
GI	none	Score	.76
Exons	118..273, 450..527		

Seq. No.	15394	Seq. ID	OJ990617_06.9A27.C15
Gene No.	32678	Strand	+
Start	217	End	284
Name	OJ990617_06.9A27.C15.o1.gs	Method	GENSCAN
Start	217	End	284
GI	none	Score	.93
Exons	217..284		

Seq. No.	15395	Seq. ID	OJ990617_06.9A27.C16
Gene No.	32679	Strand	+
Start	353	End	595
Name	OJ990617_06.9A27.C16.o1.gp	Method	AAT/GAP
Start	353	End	595
GI	none	Score	474
Exons	353..595		

Seq. No.	15395	Seq. ID	OJ990617_06.9A27.C16
Gene No.	32679	Strand	+
Start	353	End	595
Name	OJ990617_06.9A27.C16.o1.tw	Method	TBLASTX:Wheat
Start	429	End	591
GI	none	Score	240
Exons	429..590, 430..591		

Seq. No.	15395	Seq. ID	OJ990617_06.9A27.C16
Gene No.	32679	Strand	+
Start	353	End	595
Name	OJ990617_06.9A27.C16.o1.tm	Method	TBLASTX:Maize
Start	432	End	592
GI	none	Score	256
Exons	432..590, 433..591, 533..592		

Seq. No.	15396	Seq. ID	OJ990617_06.9A27.C17
Gene No.	32680	Strand	+
Start	290	End	807
Name	OJ990617_06.9A27.C17.o1.gp	Method	AAT/GAP
Start	290	End	731
GI	none	Score	816

Exons	290..731		
Seq. No.	15396	Seq. ID	OJ990617_06.9A27.C17
Gene No.	32680	Strand	+
Start	290	End	807
Name	OJ990617_06.9A27.C17.o1.np	Method	AAT/NAP
Start	334	End	792
GI	6143874	Score	271
Exons	334..792		
GI Descrip.	(AC010927) unknown protein [Arabidopsis thaliana]		
Seq. No.	15396	Seq. ID	OJ990617_06.9A27.C17
Gene No.	32680	Strand	+
Start	290	End	807
Name	OJ990617_06.9A27.C17.o1.gs	Method	GENSCAN
Start	367	End	807
GI	none	Score	.78
Exons	367..807		
Seq. No.	15396	Seq. ID	OJ990617_06.9A27.C17
Gene No.	32681	Strand	-
Start	308	End	2524
Name	OJ990617_06.9A27.C17.o2.np	Method	AAT/NAP
Start	308	End	2524
GI	1203832	Score	192
Exons	308..328, 1787..2059, 2457..2524		
GI Descrip.	(U46003) beta-D-glucan exohydrolase, isoenzyme ExoII [Hordeum vulgare] gi\|1588407\|prf\|\|2208395A beta-D-glucan exohydrolase [Hordeum vulgare]		
Seq. No.	15396	Seq. ID	OJ990617_06.9A27.C17
Gene No.	32681	Strand	-
Start	308	End	2524
Name	OJ990617_06.9A27.C17.o1.tw	Method	TBLASTX:Wheat
Start	366	End	678
GI	none	Score	225
Exons	366..587, 367..513, 559..678		
Seq. No.	15396	Seq. ID	OJ990617_06.9A27.C17
Gene No.	32681	Strand	-
Start	308	End	2524
Name	OJ990617_06.9A27.C17.o1.tm	Method	TBLASTX:Maize
Start	369	End	684
GI	none	Score	241
Exons	369..509, 370..513, 558..587, 559..684		
Seq. No.	15396	Seq. ID	OJ990617_06.9A27.C17
Gene No.	32681	Strand	-
Start	308	End	2524
Name	OJ990617_06.9A27.C17.o2.gs	Method	GENSCAN
Start	1009	End	2169
GI	none	Score	.42
Exons	1009..1141, 1314..1380, 1517..1727, 1777..2169		
Seq. No.	15396	Seq. ID	OJ990617_06.9A27.C17
Gene No.	32681	Strand	-
Start	308	End	2524

Name	OJ990617_06.9A27.C17.o2.tm	Method	TBLASTX:Maize
Start	1550	End	2058
GI	none	Score	86
Exons	1550..1636, 1551..1631, 1694..1723, 1818..1877, 1820..1867, 1839..1868, 1876..2049, 1877..2050, 1879..2058, 1923..2057		

Seq. No.	15396	Seq. ID	OJ990617_06.9A27.C17
Gene No.	32681	Strand	-
Start	308	End	2524
Name	OJ990617_06.9A27.C17.o2.tw	Method	TBLASTX:Wheat
Start	1550	End	2050
GI	none	Score	93
Exons	1550..1636, 1551..1631, 1694..1723, 1817..1864, 1824..1877, 1879..2049, 1880..2050		

Seq. No.	15396	Seq. ID	OJ990617_06.9A27.C17
Gene No.	32681	Strand	-
Start	308	End	2524
Name	OJ990617_06.9A27.C17.o1.ts	Method	TBLASTX:Soybean
Start	1551	End	2050
GI	none	Score	66
Exons	1551..1631, 1748..1792, 1790..1864, 1791..1862, 1879..2049, 1925..2050		

Seq. No.	15397	Seq. ID	OJ990617_06.9A27.C18
Gene No.	32682	Strand	+
Start	1	End	2119
Name	OJ990617_06.9A27.C18.o1.gp	Method	AAT/GAP
Start	1	End	924
GI	none	Score	717
Exons	1..93, 272..397, 486..560, 808..924		

Seq. No.	15397	Seq. ID	OJ990617_06.9A27.C18
Gene No.	32682	Strand	+
Start	1	End	2119
Name	OJ990617_06.9A27.C18.o1.gs	Method	GENSCAN
Start	42	End	2119
GI	none	Score	.68
Exons	42..213, 272..419, 479..560, 808..921, 1973..2119		

Seq. No.	15397	Seq. ID	OJ990617_06.9A27.C18
Gene No.	32683	Strand	+
Start	8598	End	9059
Name	OJ990617_06.9A27.C18.o2.gp	Method	AAT/GAP
Start	8598	End	9059
GI	LIB3433-026-P1-K1-E11	Score	183
Exons	8598..8633, 8945..9059		
GI Descrip.	'5441872/dbj\|AP000366.1\|AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)'		

Seq. No.	15398	Seq. ID	OJ990617_06.9A27.C19
Gene No.	32684	Strand	+
Start	280	End	514
Name	OJ990617_06.9A27.C19.o1.gs	Method	GENSCAN
Start	280	End	514
GI	none	Score	.57
Exons	280..334, 447..514		

Seq. No.	15398	Seq. ID	OJ990617_06.9A27.C19
Gene No.	32685	Strand	+
Start	3334	End	4225
Name	OJ990617_06.9A27.C19.o1.gp	Method	AAT/GAP
Start	3209	End	3575
GI	572083	Score	527
Exons	3209..3466, 3552..3575		
GI Descrip.	3201970/gb\|AF068333\|AF068333 1.0e-09 Oryza sativa hypothetical secretory protein SH27A precursor, mRNA, complete cds		

Seq. No.	15398	Seq. ID	OJ990617_06.9A27.C19
Gene No.	32685	Strand	+
Start	3334	End	4225
Name	OJ990617_06.9A27.C19.o1.np	Method	AAT/NAP
Start	3334	End	3906
GI	3201971	Score	219
Exons	3334..3451, 3579..3646, 3778..3906		
GI Descrip.	(AF068333) hypothetical secretory protein SH27A precursor [Oryza sativa]		

Seq. No.	15398	Seq. ID	OJ990617_06.9A27.C19
Gene No.	32685	Strand	+
Start	3334	End	4225
Name	OJ990617_06.9A27.C19.o2.gs	Method	GENSCAN
Start	3334	End	3909
GI	none	Score	1
Exons	3334..3466, 3552..3646, 3778..3909		

Seq. No.	15398	Seq. ID	OJ990617_06.9A27.C19
Gene No.	32685	Strand	+
Start	3334	End	4225
Name	OJ990617_06.9A27.C19.o2.gp	Method	AAT/GAP
Start	3773	End	4225
GI	2431247	Score	855
Exons	3773..4225		
GI Descrip.	3201970/gb\|AF068333\|AF068333 1.0e-20 Oryza sativa hypothetical secretory protein SH27A precursor, mRNA, complete cds		

Seq. No.	15398	Seq. ID	OJ990617_06.9A27.C19
Gene No.	32686	Strand	+
Start	5272	End	7115
Name	OJ990617_06.9A27.C19.o3.gs	Method	GENSCAN
Start	5272	End	7115
GI	none	Score	.64
Exons	5272..5320, 6567..6691, 7011..7115		

Seq. No.	15398	Seq. ID	OJ990617_06.9A27.C19
Gene No.	32687	Strand	-
Start	7374	End	7490
Name	OJ990617_06.9A27.C19.o4.gs	Method	GENSCAN
Start	7374	End	7490
GI	none	Score	.49
Exons	7374..7490		

Seq. No.	15399	Seq. ID	OJ990617_06.9A27.C20
Gene No.	32688	Strand	+

Start	1245	End	1304
Name	OJ990617_06.9A27.C20.o1.gs	Method	GENSCAN
Start	1245	End	1304
GI	none	Score	.88
Exons	1245..1304		

Seq. No.	15400	Seq. ID	OJ990617_06.9A27.C21
Gene No.	32689	Strand	+
Start	1	End	1592
Name	OJ990617_06.9A27.C21.o1.np	Method	AAT/NAP
Start	1	End	1592
GI	5824794	Score	80
Exons	1..63, 1360..1592		
GI Descrip.	(AL031635) Y47D3B.11 [Caenorhabditis elegans]		

Seq. No.	15400	Seq. ID	OJ990617_06.9A27.C21
Gene No.	32689	Strand	+
Start	1	End	1592
Name	OJ990617_06.9A27.C21.o1.gs	Method	GENSCAN
Start	863	End	1375
GI	none	Score	.49
Exons	863..1375		

Seq. No.	15401	Seq. ID	OJ990617_06.9A27.C22
Gene No.	32690	Strand	-
Start	165	End	3260
Name	OJ990617_06.9A27.C22.o2.np	Method	AAT/NAP
Start	165	End	3260
GI	4185148	Score	531
Exons	165..224, 1933..2698, 2731..3260		
GI Descrip.	(AC005724) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	15401	Seq. ID	OJ990617_06.9A27.C22
Gene No.	32690	Strand	-
Start	165	End	3260
Name	OJ990617_06.9A27.C22.o1.gs	Method	GENSCAN
Start	940	End	2706
GI	none	Score	.67
Exons	940..1104, 1477..1700, 1994..2122, 2266..2706		

Seq. No.	15401	Seq. ID	OJ990617_06.9A27.C22
Gene No.	32690	Strand	-
Start	165	End	3260
Name	OJ990617_06.9A27.C22.o2.tw	Method	TBLASTX:Wheat
Start	1326	End	1659
GI	none	Score	49
Exons	1326..1472, 1457..1492, 1459..1659		

Seq. No.	15401	Seq. ID	OJ990617_06.9A27.C22
Gene No.	32690	Strand	-
Start	165	End	3260
Name	OJ990617_06.9A27.C22.o2.tm	Method	TBLASTX:Maize
Start	1416	End	1887
GI	none	Score	100
Exons	1416..1472, 1459..1494, 1644..1886, 1662..1880, 1726..1887		

Seq. No.	15401	Seq. ID	OJ990617_06.9A27.C22
Gene No.	32690	Strand	-
Start	165	End	3260
Name	OJ990617_06.9A27.C22.o1.ts	Method	TBLASTX:Soybean
Start	1959	End	2491
GI	none	Score	100
Exons	1959..2057, 2038..2145, 2172..2357, 2174..2362, 2432..2491, 2445..2477		

Seq. No.	15401	Seq. ID	OJ990617_06.9A27.C22
Gene No.	32690	Strand	-
Start	165	End	3260
Name	OJ990617_06.9A27.C22.o1.tm	Method	TBLASTX:Maize
Start	2177	End	3053
GI	none	Score	95
Exons	2177..2716, 2178..2381, 2433..2699, 2707..2778, 2720..2779, 2778..3053, 2782..3030		

Seq. No.	15401	Seq. ID	OJ990617_06.9A27.C22
Gene No.	32690	Strand	-
Start	165	End	3260
Name	OJ990617_06.9A27.C22.o3.tw	Method	TBLASTX:Wheat
Start	2345	End	2717
GI	none	Score	82
Exons	2345..2425, 2417..2569, 2418..2570, 2570..2716, 2571..2717		

Seq. No.	15401	Seq. ID	OJ990617_06.9A27.C22
Gene No.	32690	Strand	-
Start	165	End	3260
Name	OJ990617_06.9A27.C22.o1.tw	Method	TBLASTX:Wheat
Start	2725	End	3005
GI	none	Score	187
Exons	2725..2775, 2782..2985, 2784..3005		

Seq. No.	15402	Seq. ID	OJ990617_06.9A27.C23
Gene No.	32691	Strand	-
Start	126	End	2590
Name	OJ990617_06.9A27.C23.o1.tm	Method	TBLASTX:Maize
Start	67	End	248
GI	none	Score	223
Exons	67..246, 67..246, 68..247, 69..248		

Seq. No.	15402	Seq. ID	OJ990617_06.9A27.C23
Gene No.	32691	Strand	-
Start	126	End	2590
Name	OJ990617_06.9A27.C23.o3.tw	Method	TBLASTX:Wheat
Start	67	End	290
GI	none	Score	187
Exons	67..270, 69..290		

Seq. No.	15402	Seq. ID	OJ990617_06.9A27.C23
Gene No.	32691	Strand	-
Start	126	End	2590
Name	OJ990617_06.9A27.C23.o1.gs	Method	GENSCAN
Start	126	End	2590
GI	none	Score	.47
Exons	126..777, 837..1011, 1031..1201, 1360..1482, 2012..2132,		

2382..2590

Seq. No.	15402	Seq. ID	OJ990617_06.9A27.C23
Gene No.	32691	Strand	-
Start	126	End	2590
Name	OJ990617_06.9A27.C23.o2.tm	Method	TBLASTX:Maize
Start	423	End	608
GI	none	Score	70
Exons	423..548, 423..608, 424..597		

Seq. No.	15402	Seq. ID	OJ990617_06.9A27.C23
Gene No.	32691	Strand	-
Start	126	End	2590
Name	OJ990617_06.9A27.C23.o2.tw	Method	TBLASTX:Wheat
Start	615	End	944
GI	none	Score	183
Exons	615..944, 616..882		

Seq. No.	15402	Seq. ID	OJ990617_06.9A27.C23
Gene No.	32691	Strand	-
Start	126	End	2590
Name	OJ990617_06.9A27.C23.o3.tm	Method	TBLASTX:Maize
Start	714	End	1241
GI	none	Score	60
Exons	714..887, 727..879, 978..1169, 985..1167, 1200..1241		

Seq. No.	15402	Seq. ID	OJ990617_06.9A27.C23
Gene No.	32691	Strand	-
Start	126	End	2590
Name	OJ990617_06.9A27.C23.o1.tw	Method	TBLASTX:Wheat
Start	1262	End	1591
GI	none	Score	140
Exons	1262..1465, 1263..1460, 1268..1483, 1445..1591, 1452..1589		

Seq. No.	15403	Seq. ID	OJ990617_06.9A27.C24
Gene No.	32692	Strand	-
Start	83	End	1312
Name	OJ990617_06.9A27.C24.o1.gs	Method	GENSCAN
Start	83	End	1312
GI	none	Score	.48
Exons	83..694, 890..1312		

Seq. No.	15404	Seq. ID	OJ990617_06.9A27.C25
Gene No.	32693	Strand	-
Start	414	End	3051
Name	OJ990617_06.9A27.C25.o1.gs	Method	GENSCAN
Start	414	End	3051
GI	none	Score	.49
Exons	414..590, 738..955, 1089..1520, 1672..1688, 1788..2011, 2990..3051		

Seq. No.	15405	Seq. ID	OJ990617_06.9A27.C26
Gene No.	32694	Strand	+
Start	228	End	584
Name	OJ990617_06.9A27.C26.o1.gs	Method	GENSCAN
Start	228	End	584
GI	none	Score	.65

Exons	228..355, 376..584		
Seq. No.	15405	Seq. ID	OJ990617_06.9A27.C26
Gene No.	32695	Strand	+
Start	2555	End	3725
Name	OJ990617_06.9A27.C26.o2.gs	Method	GENSCAN
Start	2555	End	3654
GI	none	Score	.9
Exons	2555..3654		
Seq. No.	15405	Seq. ID	OJ990617_06.9A27.C26
Gene No.	32695	Strand	+
Start	2555	End	3725
Name	OJ990617_06.9A27.C26.o1.np	Method	AAT/NAP
Start	3023	End	3725
GI	5441880	Score	785
Exons	3023..3725		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		
Seq. No.	15406	Seq. ID	OJ990617_06.9A27.C28
Gene No.	32696	Strand	+
Start	605	End	910
Name	OJ990617_06.9A27.C28.o1.gs	Method	GENSCAN
Start	605	End	910
GI	none	Score	.42
Exons	605..910		
Seq. No.	15406	Seq. ID	OJ990617_06.9A27.C28
Gene No.	32697	Strand	-
Start	600	End	843
Name	OJ990617_06.9A27.C28.o1.np	Method	AAT/NAP
Start	600	End	843
GI	6016874	Score	356
Exons	600..843		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		
Seq. No.	15407	Seq. ID	OJ990617_06.9A27.C29
Gene No.	32698	Strand	-
Start	1	End	2608
Name	OJ990617_06.9A27.C29.o1.np	Method	AAT/NAP
Start	1	End	2608
GI	6016874	Score	1787
Exons	1..63, 438..777, 889..1068, 1462..1621, 2012..2244, 2309..2446, 2530..2608		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		
Seq. No.	15407	Seq. ID	OJ990617_06.9A27.C29
Gene No.	32698	Strand	-
Start	1	End	2608
Name	OJ990617_06.9A27.C29.o1.gs	Method	GENSCAN
Start	434	End	2608

GI	none	Score	.77
Exons	434..834, 889..1068, 1462..1621, 2156..2244, 2309..2463, 2538..2608		

Seq. No.	15407	Seq. ID	OJ990617_06.9A27.C29
Gene No.	32699	Strand	-
Start	3150	End	4653
Name	OJ990617_06.9A27.C29.o2.tm	Method	TBLASTX:Maize
Start	500	End	743
GI	none	Score	97
Exons	500..733, 585..743		

Seq. No.	15407	Seq. ID	OJ990617_06.9A27.C29
Gene No.	32699	Strand	-
Start	3150	End	4653
Name	OJ990617_06.9A27.C29.o2.ts	Method	TBLASTX:Soybean
Start	530	End	731
GI	none	Score	96
Exons	530..730, 615..731		

Seq. No.	15407	Seq. ID	OJ990617_06.9A27.C29
Gene No.	32699	Strand	-
Start	3150	End	4653
Name	OJ990617_06.9A27.C29.o4.tm	Method	TBLASTX:Maize
Start	819	End	1201
GI	none	Score	141
Exons	819..1190, 920..1201		

Seq. No.	15407	Seq. ID	OJ990617_06.9A27.C29
Gene No.	32699	Strand	-
Start	3150	End	4653
Name	OJ990617_06.9A27.C29.o3.tm	Method	TBLASTX:Maize
Start	1406	End	1720
GI	none	Score	108
Exons	1406..1633, 1407..1625, 1646..1720		

Seq. No.	15407	Seq. ID	OJ990617_06.9A27.C29
Gene No.	32699	Strand	-
Start	3150	End	4653
Name	OJ990617_06.9A27.C29.o1.tm	Method	TBLASTX:Maize
Start	1814	End	2260
GI	none	Score	110
Exons	1814..1852, 1847..1903, 1940..2188, 1980..2189, 2174..2260		

Seq. No.	15407	Seq. ID	OJ990617_06.9A27.C29
Gene No.	32699	Strand	-
Start	3150	End	4653
Name	OJ990617_06.9A27.C29.o2.np	Method	AAT/NAP
Start	3008	End	3198
GI	6907084	Score	141
Exons	3008..3047, 3079..3198		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	15407	Seq. ID	OJ990617_06.9A27.C29
Gene No.	32699	Strand	-
Start	3150	End	4653
Name	OJ990617_06.9A27.C29.o2.gs	Method	GENSCAN

Start	3150	End	4574
GI	none	Score	.89
Exons	3150..3269, 3869..3978, 4143..4263, 4397..4574		

Seq. No.	15407	Seq. ID	OJ990617_06.9A27.C29
Gene No.	32699	Strand	-
Start	3150	End	4653
Name	OJ990617_06.9A27.C29.o3.np	Method	AAT/NAP
Start	3591	End	4653
GI	451193	Score	632
Exons	3591..3707, 3849..3978, 4143..4263, 4397..4653		
GI Descrip.	(L28008) wali7 [Triticum aestivum] gi\|1090845\|prf\|\|2019486B wali7 gene [Triticum aestivum]		

Seq. No.	15407	Seq. ID	OJ990617_06.9A27.C29
Gene No.	32699	Strand	-
Start	3150	End	4653
Name	OJ990617_06.9A27.C29.o5.tm	Method	TBLASTX:Maize
Start	3609	End	4591
GI	none	Score	93
Exons	3609..3668, 3642..3707, 3866..3976, 3866..3979, 3867..3980, 3867..3980, 3910..3981, 4121..4258, 4141..4275, 4142..4264, 4418..4534, 4424..4552, 4483..4548, 4520..4591, 4548..4589, 4552..4590		

Seq. No.	15407	Seq. ID	OJ990617_06.9A27.C29
Gene No.	32699	Strand	-
Start	3150	End	4653
Name	OJ990617_06.9A27.C29.o1.tc	Method	TBLASTX:Cress
Start	3863	End	4591
GI	none	Score	119
Exons	3863..3979, 3867..3980, 4141..4272, 4142..4264, 4395..4457, 4397..4534, 4424..4591, 4506..4589		

Seq. No.	15407	Seq. ID	OJ990617_06.9A27.C29
Gene No.	32699	Strand	-
Start	3150	End	4653
Name	OJ990617_06.9A27.C29.o1.ts	Method	TBLASTX:Soybean
Start	3863	End	4591
GI	none	Score	143
Exons	3863..3979, 3867..3980, 4103..4186, 4141..4272, 4142..4255, 4395..4457, 4397..4534, 4424..4591, 4477..4587, 4515..4589		

Seq. No.	15408	Seq. ID	OJ990617_06.9A27.C30
Gene No.	32700	Strand	-
Start	1	End	630
Name	OJ990617_06.9A27.C30.o1.np	Method	AAT/NAP
Start	1	End	424
GI	451193	Score	244
Exons	1..63, 225..424		
GI Descrip.	(L28008) wali7 [Triticum aestivum] gi\|1090845\|prf\|\|2019486B wali7 gene [Triticum aestivum]		

Seq. No.	15408	Seq. ID	OJ990617_06.9A27.C30
Gene No.	32700	Strand	-
Start	1	End	630
Name	OJ990617_06.9A27.C30.o1.gp	Method	AAT/GAP

Start	225	End	630
GI	1648_2.R1084	Score	775
Exons	225..630		
GI Descrip.	'451193 1.0e-52 (L28008) wali7 [Triticum aestivum] >gi_1090845_prf__2019486B wali7 gene [Triticum aestivum]'		

Seq. No.	15408	Seq. ID	OJ990617_06.9A27.C30
Gene No.	32700	Strand	-
Start	1	End	630
Name	OJ990617_06.9A27.C30.o1.gs	Method	GENSCAN
Start	225	End	427
GI	none	Score	.81
Exons	225..427		

Seq. No.	15408	Seq. ID	OJ990617_06.9A27.C30
Gene No.	32701	Strand	-
Start	1588	End	1779
Name	OJ990617_06.9A27.C30.o1.tm	Method	TBLASTX:Maize
Start	224	End	430
GI	none	Score	244
Exons	224..430, 225..428		

Seq. No.	15408	Seq. ID	OJ990617_06.9A27.C30
Gene No.	32701	Strand	-
Start	1588	End	1779
Name	OJ990617_06.9A27.C30.o1.ts	Method	TBLASTX:Soybean
Start	224	End	430
GI	none	Score	244
Exons	224..430, 225..428		

Seq. No.	15408	Seq. ID	OJ990617_06.9A27.C30
Gene No.	32701	Strand	-
Start	1588	End	1779
Name	OJ990617_06.9A27.C30.o2.gs	Method	GENSCAN
Start	1588	End	1779
GI	none	Score	.61
Exons	1588..1779		

Seq. No.	15409	Seq. ID	OJ990617_06.9A27.C33
Gene No.	32702	Strand	+
Start	1	End	1026
Name	OJ990617_06.9A27.C33.o1.np	Method	AAT/NAP
Start	1	End	1026
GI	4581156	Score	375
Exons	1..234, 384..451, 539..638, 766..829, 986..1026		
GI Descrip.	(AC006919) putative pyruvate kinase [Arabidopsis thaliana]		

Seq. No.	15409	Seq. ID	OJ990617_06.9A27.C33
Gene No.	32702	Strand	+
Start	1	End	1026
Name	OJ990617_06.9A27.C33.o2.ts	Method	TBLASTX:Soybean
Start	107	End	237
GI	none	Score	63
Exons	107..214, 114..236, 127..237, 132..236		

Seq. No.	15409	Seq. ID	OJ990617_06.9A27.C33
Gene No.	32702	Strand	+

Start	1	End	1026
Name	OJ990617_06.9A27.C33.o1.tc	Method	TBLASTX:Cress
Start	127	End	834
GI	none	Score	159
Exons	127..237, 132..236, 377..466, 747..824, 760..834	384..452,	527..637, 537..638,

Seq. No.	15409	Seq. ID	OJ990617_06.9A27.C33
Gene No.	32702	Strand	+
Start	1	End	1026
Name	OJ990617_06.9A27.C33.o1.tm	Method	TBLASTX:Maize
Start	127	End	834
GI	none	Score	169
Exons	127..237, 137..229, 138..236, 536..637, 537..638, 543..647,	376..450, 544..639,	377..484, 384..452, 747..824, 760..834

Seq. No.	15409	Seq. ID	OJ990617_06.9A27.C33
Gene No.	32702	Strand	+
Start	1	End	1026
Name	OJ990617_06.9A27.C33.o1.gp	Method	AAT/GAP
Start	137	End	825
GI	7253_1.R1084	Score	532
Exons	137..234, 384..451, 539..638,	766..825	
GI Descrip.	'4581156/gb\|AAD24640.1\|AC006919_18 0.0e+00 (AC006919) putative pyruvate kinase [Arabidopsis thaliana]'		

Seq. No.	15409	Seq. ID	OJ990617_06.9A27.C33
Gene No.	32702	Strand	+
Start	1	End	1026
Name	OJ990617_06.9A27.C33.o1.gs	Method	GENSCAN
Start	139	End	825
GI	none	Score	.98
Exons	139..234, 384..451, 539..638,	766..825	

Seq. No.	15409	Seq. ID	OJ990617_06.9A27.C33
Gene No.	32702	Strand	+
Start	1	End	1026
Name	OJ990617_06.9A27.C33.o1.tw	Method	TBLASTX:Wheat
Start	195	End	834
GI	none	Score	67
Exons	195..236, 196..237, 199..258, 537..638, 540..647, 541..639,	377..469, 760..834,	384..452, 536..637, 760..822, 765..824

Seq. No.	15409	Seq. ID	OJ990617_06.9A27.C33
Gene No.	32702	Strand	+
Start	1	End	1026
Name	OJ990617_06.9A27.C33.o1.ts	Method	TBLASTX:Soybean
Start	377	End	813
GI	none	Score	107
Exons	377..469, 384..452, 527..637,	537..638,	747..812, 760..813

Seq. No.	15410	Seq. ID	OJ990617_06.9A27.C34
Gene No.	32703	Strand	-
Start	257	End	386
Name	OJ990617_06.9A27.C34.o1.gs	Method	GENSCAN
Start	257	End	386
GI	none	Score	.98

Exons	257..386		
Seq. No.	15411	Seq. ID	OJ990617_06.9A27.C37
Gene No.	32704	Strand	-
Start	97	End	183
Name	OJ990617_06.9A27.C37.o1.np	Method	AAT/NAP
Start	97	End	183
GI	6630699	Score	72
Exons	97..183		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa]		
Seq. No.	15411	Seq. ID	OJ990617_06.9A27.C37
Gene No.	32705	Strand	
Start	195	End	496
Name	OJ990617_06.9A27.C37.o1.tm	Method	TBLASTX:Maize
Start	195	End	496
GI	none	Score	115
Exons	195..473, 199..459, 216..464, 221..496		
Seq. No.	15412	Seq. ID	OJ990617_06.9A27.C38
Gene No.	32706	Strand	+
Start	130	End	2729
Name	OJ990617_06.9A27.C38.o1.np	Method	AAT/NAP
Start	130	End	2726
GI	5922620	Score	306
Exons	130..184, 727..920, 1019..1216, 1821..1936, 2550..2726		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6016853\|dbj\|BAA85196.1\| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	15412	Seq. ID	OJ990617_06.9A27.C38
Gene No.	32706	Strand	+
Start	130	End	2729
Name	OJ990617_06.9A27.C38.o1.gs	Method	GENSCAN
Start	187	End	2729
GI	none	Score	.52
Exons	187..437, 885..1002, 1196..1389, 1756..1925, 2615..2729		
Seq. No.	15412	Seq. ID	OJ990617_06.9A27.C38
Gene No.	32707	Strand	+
Start	4431	End	10406
Name	OJ990617_06.9A27.C38.o2.gs	Method	GENSCAN
Start	4431	End	10406
GI	none	Score	.72
Exons	4431..4856, 4956..5172, 5258..5376, 5566..5664, 6143..6196, 6280..6378, 7063..7339, 7696..7805, 8070..8138, 9537..9558, 10336..10406		
Seq. No.	15412	Seq. ID	OJ990617_06.9A27.C38
Gene No.	32707	Strand	+
Start	4431	End	10406
Name	OJ990617_06.9A27.C38.o1.gp	Method	AAT/GAP
Start	4604	End	6304

GI	4714933	Score	1225
Exons	4604..4856, 4956..5110, 5258..5376, 5566..5664, 6143..6196, 6280..6304		
GI Descrip.	1651723/dbj\|BAA16651\| 1.0e-10 (D90899) phosphoglycerate mutase [Synechocystis sp.]		

Seq. No.	15412	Seq. ID	OJ990617_06.9A27.C38
Gene No.	32707	Strand	+
Start	4431	End	10406
Name	OJ990617_06.9A27.C38.o2.gp	Method	AAT/GAP
Start	7244	End	7665
GI	4714934	Score	777
Exons	7244..7665		

Seq. No.	15412	Seq. ID	OJ990617_06.9A27.C38
Gene No.	32708	Strand	-
Start	2865	End	2951
Name	OJ990617_06.9A27.C38.o2.np	Method	AAT/NAP
Start	2865	End	2951
GI	6630699	Score	72
Exons	2865..2951		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	15412	Seq. ID	OJ990617_06.9A27.C38
Gene No.	32709	Strand	
Start	2963	End	3264
Name	OJ990617_06.9A27.C38.o3.tm	Method	TBLASTX:Maize
Start	2963	End	3264
GI	none	Score	115
Exons	2963..3241, 2967..3227, 2984..3232, 2989..3264		

Seq. No.	15412	Seq. ID	OJ990617_06.9A27.C38
Gene No.	32710	Strand	
Start	4590	End	4856
Name	OJ990617_06.9A27.C38.o1.tc	Method	TBLASTX:Cress
Start	4590	End	4856
GI	none	Score	319
Exons	4590..4856, 4610..4786		

Seq. No.	15412	Seq. ID	OJ990617_06.9A27.C38
Gene No.	32710	Strand	
Start	4590	End	4856
Name	OJ990617_06.9A27.C38.o2.ts	Method	TBLASTX:Soybean
Start	4590	End	4787
GI	none	Score	201
Exons	4590..4787, 4610..4786		

Seq. No.	15412	Seq. ID	OJ990617_06.9A27.C38
Gene No.	32711	Strand	
Start	4949	End	5176
Name	OJ990617_06.9A27.C38.o3.tc	Method	TBLASTX:Cress
Start	4949	End	5176
GI	none	Score	266
Exons	4949..5176, 4953..5174		

Seq. No.	15412	Seq. ID	OJ990617_06.9A27.C38
Gene No.	32712	Strand	
Start	5129	End	7411
Name	OJ990617_06.9A27.C38.o2.tm	Method	TBLASTX:Maize
Start	5129	End	6196
GI	none	Score	63
Exons	5129..5173, 5130..5174, 5133..5186, 5235..5381, 5253..5378, 5254..5409, 5257..5382, 5549..5659, 5550..5657, 5560..5667, 5562..5663, 5563..5664, 6124..6195, 6140..6196, 6154..6195		

Seq. No.	15412	Seq. ID	OJ990617_06.9A27.C38
Gene No.	32712	Strand	
Start	5129	End	7411
Name	OJ990617_06.9A27.C38.o2.tc	Method	TBLASTX:Cress
Start	5284	End	7401
GI	none	Score	131
Exons	5284..5376, 5292..5375, 5563..5673, 6280..6381, 6483..6530, 7102..7188, 7194..7397, 7195..7401		

Seq. No.	15412	Seq. ID	OJ990617_06.9A27.C38
Gene No.	32712	Strand	
Start	5129	End	7411
Name	OJ990617_06.9A27.C38.o1.ts	Method	TBLASTX:Soybean
Start	7081	End	7398
GI	4260272	Score	366
Exons	7081..7398, 7125..7397		
GI Descrip.	-		

Seq. No.	15412	Seq. ID	OJ990617_06.9A27.C38
Gene No.	32712	Strand	
Start	5129	End	7411
Name	OJ990617_06.9A27.C38.o1.tm	Method	TBLASTX:Maize
Start	7176	End	7411
GI	none	Score	355
Exons	7176..7397, 7177..7401, 7192..7404, 7196..7411, 7241..7405		

Seq. No.	15413	Seq. ID	OJ990617_06.9A27.C39
Gene No.	32713	Strand	+
Start	6	End	207
Name	OJ990617_06.9A27.C39.o1.gs	Method	GENSCAN
Start	6	End	207
GI	none	Score	.95
Exons	6..92, 121..207		

Seq. No.	15414	Seq. ID	OJ990617_06.9A27.C41
Gene No.	32714	Strand	+
Start	1	End	675
Name	OJ990617_06.9A27.C41.o1.np	Method	AAT/NAP
Start	1	End	675
GI	4581156	Score	306
Exons	1..233, 410..475, 616..675		
GI Descrip.	(AC006919) putative pyruvate kinase [Arabidopsis thaliana]		

Seq. No.	15414	Seq. ID	OJ990617_06.9A27.C41
Gene No.	32714	Strand	+
Start	1	End	675
Name	OJ990617_06.9A27.C41.o1.tm	Method	TBLASTX:Maize

Start	45	End	675
GI	none	Score	220
Exons	45..233, 77..232, 386..481, 390..488, 407..490, 409..519, 611..673, 614..649, 615..674, 616..675		

Seq. No.	15414	Seq. ID	OJ990617_06.9A27.C41
Gene No.	32714	Strand	+
Start	1	End	675
Name	OJ990617_06.9A27.C41.o1.tc	Method	TBLASTX:Cress
Start	77	End	233
GI	none	Score	204
Exons	77..232, 78..233		

Seq. No.	15414	Seq. ID	OJ990617_06.9A27.C41
Gene No.	32714	Strand	+
Start	1	End	675
Name	OJ990617_06.9A27.C41.o1.ts	Method	TBLASTX:Soybean
Start	77	End	675
GI	none	Score	185
Exons	77..226, 78..272, 407..490, 409..525, 616..675		

Seq. No.	15414	Seq. ID	OJ990617_06.9A27.C41
Gene No.	32714	Strand	+
Start	1	End	675
Name	OJ990617_06.9A27.C41.o1.gp	Method	AAT/GAP
Start	78	End	187
GI	7253_3.R1084	Score	193
Exons	78..187		
GI Descrip.	'4581156/gb\|AAD24640.1\|AC006919_18 2.0e-26 (AC006919) putative pyruvate kinase [Arabidopsis thaliana]'		

Seq. No.	15414	Seq. ID	OJ990617_06.9A27.C41
Gene No.	32714	Strand	+
Start	1	End	675
Name	OJ990617_06.9A27.C41.o1.gs	Method	GENSCAN
Start	78	End	487
GI	none	Score	.57
Exons	78..233, 410..487		

Seq. No.	15415	Seq. ID	OJ990617_06.9A27.C42
Gene No.	32715	Strand	+
Start	186	End	324
Name	OJ990617_06.9A27.C42.o1.gs	Method	GENSCAN
Start	186	End	324
GI	none	Score	.93
Exons	186..324		

Seq. No.	15415	Seq. ID	OJ990617_06.9A27.C42
Gene No.	32716	Strand	-
Start	138	End	932
Name	OJ990617_06.9A27.C42.o1.np	Method	AAT/NAP
Start	138	End	932
GI	6069646	Score	177
Exons	138..354, 873..932		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence,		

putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No.	15416	Seq. ID	OJ990617_06.9A27.C43
Gene No.	32717	Strand	+
Start	1	End	359
Name	OJ990617_06.9A27.C43.o1.gp	Method	AAT/GAP
Start	1	End	359
GI	1648_1.R1084	Score	426
Exons	1..60, 116..359		
GI Descrip.	'451193 1.0e-117 (L28008) wali7 [Triticum aestivum] >gi_1090845_prf__2019486B wali7 gene [Triticum aestivum]'		

Seq. No.	15416	Seq. ID	OJ990617_06.9A27.C43
Gene No.	32718	Strand	-
Start	21	End	550
Name	OJ990617_06.9A27.C43.o1.gs	Method	GENSCAN
Start	21	End	419
GI	none	Score	.62
Exons	21..419		

Seq. No.	15416	Seq. ID	OJ990617_06.9A27.C43
Gene No.	32718	Strand	-
Start	21	End	550
Name	OJ990617_06.9A27.C43.o1.tc	Method	TBLASTX:Cress
Start	115	End	360
GI	none	Score	63
Exons	115..177, 117..254, 144..359, 226..360		

Seq. No.	15416	Seq. ID	OJ990617_06.9A27.C43
Gene No.	32718	Strand	-
Start	21	End	550
Name	OJ990617_06.9A27.C43.o1.ts	Method	TBLASTX:Soybean
Start	115	End	381
GI	none	Score	65
Exons	115..177, 117..254, 144..359, 197..358, 202..381, 235..360		

Seq. No.	15416	Seq. ID	OJ990617_06.9A27.C43
Gene No.	32718	Strand	-
Start	21	End	550
Name	OJ990617_06.9A27.C43.o1.np	Method	AAT/NAP
Start	117	End	550
GI	451193	Score	340
Exons	117..550		
GI Descrip.	(L28008) wali7 [Triticum aestivum] gi\|1090845\|prf\|\|2019486B wali7 gene [Triticum aestivum]		

Seq. No.	15416	Seq. ID	OJ990617_06.9A27.C43
Gene No.	32718	Strand	-
Start	21	End	550
Name	OJ990617_06.9A27.C43.o1.tm	Method	TBLASTX:Maize
Start	147	End	359
GI	none	Score	58
Exons	147..359, 203..292, 226..339		

Seq. No.	15417	Seq. ID	OJ990617_06.9A27.C45
Gene No.	32719	Strand	

Start	222	End	400
Name	OJ990617_06.9A27.C45.o1.tm	Method	TBLASTX:Maize
Start	222	End	400
GI	none	Score	72
Exons	222..317, 227..322, 227..400		

Seq. No.	15418	Seq. ID	OJ990617_06.9A27.C50
Gene No.	32720	Strand	+
Start	1	End	724
Name	OJ990617_06.9A27.C50.o1.gp	Method	AAT/GAP
Start	1	End	615
GI	none	Score	1143
Exons	1..615		

Seq. No.	15418	Seq. ID	OJ990617_06.9A27.C50
Gene No.	32720	Strand	+
Start	1	End	724
Name	OJ990617_06.9A27.C50.o1.np	Method	AAT/NAP
Start	1	End	724
GI	3236247	Score	294
Exons	1..136, 227..724		
GI Descrip.	(AC004684) putative SCARECROW gene regulator [Arabidopsis thaliana]		

Seq. No.	15418	Seq. ID	OJ990617_06.9A27.C50
Gene No.	32720	Strand	+
Start	1	End	724
Name	OJ990617_06.9A27.C50.o1.gs	Method	GENSCAN
Start	56	End	686
GI	none	Score	.85
Exons	56..686		

Seq. No.	15418	Seq. ID	OJ990617_06.9A27.C50
Gene No.	32720	Strand	+
Start	1	End	724
Name	OJ990617_06.9A27.C50.o1.tm	Method	TBLASTX:Maize
Start	176	End	615
GI	none	Score	343
Exons	176..439, 195..398, 196..615, 230..613, 496..615		

Seq. No.	15418	Seq. ID	OJ990617_06.9A27.C50
Gene No.	32720	Strand	+
Start	1	End	724
Name	OJ990617_06.9A27.C50.o1.ts	Method	TBLASTX:Soybean
Start	517	End	685
GI	none	Score	182
Exons	517..684, 518..685		

Seq. No.	15419	Seq. ID	OJ990617_06.9A27.C51
Gene No.	32721	Strand	-
Start	1	End	83
Name	OJ990617_06.9A27.C51.o1.gp	Method	AAT/GAP
Start	1	End	83
GI	3411_1.R1084	Score	162
Exons	1..83		
GI Descrip.	'3236247 4.0e-54 (AC004684) SCARECROW-like protein [Arabidopsis thaliana]'		

Seq. No.	15420	Seq. ID	OJ990617_06.9A27.C52
Gene No.	32722	Strand	+
Start	83	End	809
Name	OJ990617_06.9A27.C52.o1.tm	Method	TBLASTX:Maize
Start	82	End	804
GI	none	Score	201
Exons	82..237, 82..261, 83..238, 579..803, 580..804		

Seq. No.	15420	Seq. ID	OJ990617_06.9A27.C52
Gene No.	32722	Strand	+
Start	83	End	809
Name	OJ990617_06.9A27.C52.o1.gs	Method	GENSCAN
Start	83	End	718
GI	none	Score	.95
Exons	83..235, 580..718		

Seq. No.	15420	Seq. ID	OJ990617_06.9A27.C52
Gene No.	32722	Strand	+
Start	83	End	809
Name	OJ990617_06.9A27.C52.o1.ts	Method	TBLASTX:Soybean
Start	142	End	809
GI	none	Score	149
Exons	142..261, 143..238, 579..809, 580..804		

Seq. No.	15420	Seq. ID	OJ990617_06.9A27.C52
Gene No.	32722	Strand	+
Start	83	End	809
Name	OJ990617_06.9A27.C52.o1.np	Method	AAT/NAP
Start	164	End	795
GI	2507229	Score	93
Exons	164..230, 575..795		
GI Descrip.	40 KD PEPTIDYL-PROLYL CIS-TRANS ISOMERASE (PPIASE) (ROTAMASE) (CYCLOPHILIN-40) (CYP-40) (CYCLOPHILIN-RELATED PROTEIN) (ESTROGEN RECEPTOR BINDING CYCLOPHILIN) gi\|423247\|pir\|\|A46579 estrogen receptor-binding cyclophilin - bovine gi\|393300\|dbj\|BAA03159\| (D14074) cyclophilin [Bos taurus]		

Seq. No.	15421	Seq. ID	OJ990617_06.9A27.C53
Gene No.	32723	Strand	+
Start	26	End	295
Name	OJ990617_06.9A27.C53.o1.gs	Method	GENSCAN
Start	26	End	295
GI	none	Score	.55
Exons	26..59, 249..295		

Seq. No.	15422	Seq. ID	OJ990617_06.9A27.C55
Gene No.	32724	Strand	-
Start	199	End	471
Name	OJ990617_06.9A27.C55.o1.gs	Method	GENSCAN
Start	199	End	471
GI	none	Score	.44
Exons	199..471		

Seq. No.	15423	Seq. ID	OJ990617_06.9A27.C59
Gene No.	32725	Strand	+
Start	1	End	468

Name	OJ990617_06.9A27.C59.o1.gp	Method	AAT/GAP
Start	1	End	468
GI	45103_1.R1084	Score	884
Exons	1..468		
GI Descrip.	'1922938 1.0e-77 (AC000106) Similar to Caenorhabditis hypothetical protein CO7A9.11 (gb_Z29094). [Arabidopsis thaliana]'		

Seq. No.	15423	Seq. ID	OJ990617_06.9A27.C59
Gene No.	32725	Strand	+
Start	1	End	468
Name	OJ990617_06.9A27.C59.o1.np	Method	AAT/NAP
Start	1	End	425
GI	1922938	Score	568
Exons	1..425		
GI Descrip.	(AC000106) Similar to Caenorhabditis hypothetical protein CO7A9.11 (gb\|Z29094). [Arabidopsis thaliana]		

Seq. No.	15423	Seq. ID	OJ990617_06.9A27.C59
Gene No.	32726	Strand	-
Start	62	End	662
Name	OJ990617_06.9A27.C59.o1.ts	Method	TBLASTX:Soybean
Start	1	End	197
GI	none	Score	124
Exons	1..87, 3..86, 75..197, 83..193, 93..197		

Seq. No.	15423	Seq. ID	OJ990617_06.9A27.C59
Gene No.	32726	Strand	-
Start	62	End	662
Name	OJ990617_06.9A27.C59.o2.tm	Method	TBLASTX:Maize
Start	16	End	197
GI	none	Score	90
Exons	16..87, 74..118, 75..119, 119..196, 120..197		

Seq. No.	15423	Seq. ID	OJ990617_06.9A27.C59
Gene No.	32726	Strand	-
Start	62	End	662
Name	OJ990617_06.9A27.C59.o1.gs	Method	GENSCAN
Start	62	End	662
GI	none	Score	.57
Exons	62..206, 657..662		

Seq. No.	15423	Seq. ID	OJ990617_06.9A27.C59
Gene No.	32726	Strand	-
Start	62	End	662
Name	OJ990617_06.9A27.C59.o1.tm	Method	TBLASTX:Maize
Start	198	End	443
GI	none	Score	244
Exons	198..443, 198..389, 200..430		

Seq. No.	15424	Seq. ID	OJ990617_06.9A27.C61
Gene No.	32727	Strand	-
Start	470	End	569
Name	OJ990617_06.9A27.C61.o1.gs	Method	GENSCAN
Start	470	End	569
GI	none	Score	.85
Exons	470..569		

Seq. No.	15425	Seq. ID	OJ990617_06.9A27.C62
Gene No.	32728	Strand	-
Start	1684	End	2117
Name	OJ990617_06.9A27.C62.o1.gs	Method	GENSCAN
Start	1684	End	2117
GI	none	Score	.59
Exons	1684..2117		

Seq. No.	15426	Seq. ID	OJ990617_06.9A27.C63
Gene No.	32729	Strand	+
Start	1	End	657
Name	OJ990617_06.9A27.C63.o1.np	Method	AAT/NAP
Start	1	End	648
GI	3860255	Score	282
Exons	1..648		
GI Descrip.	(AC005824) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	15426	Seq. ID	OJ990617_06.9A27.C63
Gene No.	32729	Strand	+
Start	1	End	657
Name	OJ990617_06.9A27.C63.o1.gs	Method	GENSCAN
Start	70	End	657
GI	none	Score	1
Exons	70..657		

Seq. No.	15426	Seq. ID	OJ990617_06.9A27.C63
Gene No.	32730	Strand	+
Start	3520	End	3947
Name	OJ990617_06.9A27.C63.o1.gp	Method	AAT/GAP
Start	3520	End	3947
GI	60650_1.R1084	Score	828
Exons	3520..3947		
GI Descrip.	'169459 1.0e-08 (M18538) pop3 peptide [Populus balsamifera subsp. trichocarpa X Populus deltoides]'		

Seq. No.	15426	Seq. ID	OJ990617_06.9A27.C63
Gene No.	32731	Strand	-
Start	3799	End	3927
Name	OJ990617_06.9A27.C63.o1.ts	Method	TBLASTX:Soybean
Start	424	End	609
GI	none	Score	209
Exons	424..609, 438..554		

Seq. No.	15426	Seq. ID	OJ990617_06.9A27.C63
Gene No.	32731	Strand	-
Start	3799	End	3927
Name	OJ990617_06.9A27.C63.o2.gs	Method	GENSCAN
Start	3799	End	3927
GI	none	Score	.71
Exons	3799..3927		

Seq. No.	15427	Seq. ID	OJ990617_06.9A27.C64
Gene No.	32732	Strand	-
Start	1	End	144
Name	OJ990617_06.9A27.C64.o1.gp	Method	AAT/GAP
Start	1	End	144

GI	60650_1.R1084	Score	288
Exons	1..144		
GI Descrip.	'169459 1.0e-08 (M18538) pop3 peptide [Populus balsamifera subsp. trichocarpa X Populus deltoides]'		

Seq. No.	15428	Seq. ID	OJ990617_06.9A27.C67
Gene No.	32733	Strand	+
Start	1	End	719
Name	OJ990617_06.9A27.C67.o1.np	Method	AAT/NAP
Start	1	End	719
GI	6862912	Score	101
Exons	1..161, 700..719		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	15428	Seq. ID	OJ990617_06.9A27.C67
Gene No.	32733	Strand	+
Start	1	End	719
Name	OJ990617_06.9A27.C67.o1.gs	Method	GENSCAN
Start	60	End	274
GI	none	Score	.9
Exons	60..172, 245..274		

Seq. No.	15428	Seq. ID	OJ990617_06.9A27.C67
Gene No.	32733	Strand	+
Start	1	End	719
Name	OJ990617_06.9A27.C67.o1.gp	Method	AAT/GAP
Start	545	End	719
GI	15870_2.R1084	Score	272
Exons	545..719		
GI Descrip.	'287403/dbj\|D10838\|RICSBE1 8.0e-69 Rice gene for starch branching enzyme'		

Seq. No.	15429	Seq. ID	OJ990617_06.9A27.C68
Gene No.	32734	Strand	+
Start	498	End	572
Name	OJ990617_06.9A27.C68.o1.gs	Method	GENSCAN
Start	498	End	572
GI	none	Score	.77
Exons	498..572		

Seq. No.	15430	Seq. ID	OJ990617_06.9A27.C69
Gene No.	32735	Strand	-
Start	275	End	736
Name	OJ990617_06.9A27.C69.o1.gs	Method	GENSCAN
Start	275	End	736
GI	none	Score	.61
Exons	275..390, 643..736		

Seq. No.	15431	Seq. ID	OJ990617_06.9A27.C70
Gene No.	32736	Strand	+
Start	909	End	1165
Name	OJ990617_06.9A27.C70.o1.gs	Method	GENSCAN
Start	909	End	1165
GI	none	Score	.54
Exons	909..1012, 1074..1165		

Seq. No.	15432	Seq. ID	OJ990617_06.9A27.C71

Gene No.	32737	Strand	+
Start	259	End	438
Name	OJ990617_06.9A27.C71.o1.gs	Method	GENSCAN
Start	259	End	438
GI	none	Score	.66
Exons	259..438		

Seq. No.	15432	Seq. ID	OJ990617_06.9A27.C71
Gene No.	32738	Strand	-
Start	2569	End	2811
Name	OJ990617_06.9A27.C71.o1.gp	Method	AAT/GAP
Start	2569	End	2811
GI	15870_2.R1084	Score	298
Exons	2569..2811		
GI Descrip.	'287403/dbj\|D10838\|RICSBE1 8.0e-69 Rice gene for starch branching enzyme'		

Seq. No.	15433	Seq. ID	OJ990617_06.9A27.C72
Gene No.	32739	Strand	-
Start	555	End	996
Name	OJ990617_06.9A27.C72.o1.gs	Method	GENSCAN
Start	555	End	996
GI	none	Score	.64
Exons	555..743, 820..996		

Seq. No.	15434	Seq. ID	OJ990617_06.9A27.C73
Gene No.	32740	Strand	-
Start	150	End	708
Name	OJ990617_06.9A27.C73.o1.np	Method	AAT/NAP
Start	150	End	708
GI	4586602	Score	401
Exons	150..263, 402..490, 561..708		
GI Descrip.	(AB025005) pyruvate kinase [Cicer arietinum]		

Seq. No.	15434	Seq. ID	OJ990617_06.9A27.C73
Gene No.	32740	Strand	-
Start	150	End	708
Name	OJ990617_06.9A27.C73.o1.tc	Method	TBLASTX:Cress
Start	165	End	706
GI	none	Score	113
Exons	165..275, 166..270, 388..489, 559..693, 571..699, 599..700,	401..487, 402..491, 403..498, 615..701, 689..706	

Seq. No.	15434	Seq. ID	OJ990617_06.9A27.C73
Gene No.	32740	Strand	-
Start	150	End	708
Name	OJ990617_06.9A27.C73.o1.ts	Method	TBLASTX:Soybean
Start	165	End	700
GI	none	Score	120
Exons	165..275, 166..270, 182..295, 403..498, 559..693, 571..693,	388..489, 395..487, 402..491, 599..700, 599..700	

Seq. No.	15434	Seq. ID	OJ990617_06.9A27.C73
Gene No.	32740	Strand	-
Start	150	End	708
Name	OJ990617_06.9A27.C73.o1.tm	Method	TBLASTX:Maize
Start	165	End	701

GI	none	Score	154
Exons	165..275, 166..264, 173..265, 403..513, 559..693, 562..699,	395..490, 400..489, 402..491, 599..700, 600..701	

Seq. No.	15434	Seq. ID	OJ990617_06.9A27.C73
Gene No.	32740	Strand	-
Start	150	End	708
Name	OJ990617_06.9A27.C73.o1.gp	Method	AAT/GAP
Start	166	End	708
GI	7253_1.R1084	Score	553
Exons	166..263, 402..490, 561..708		
GI Descrip.	'4581156/gb\|AAD24640.1\|AC006919_18 0.0e+00 (AC006919) putative pyruvate kinase [Arabidopsis thaliana]'		

Seq. No.	15434	Seq. ID	OJ990617_06.9A27.C73
Gene No.	32740	Strand	-
Start	150	End	708
Name	OJ990617_06.9A27.C73.o1.gs	Method	GENSCAN
Start	168	End	666
GI	none	Score	1
Exons	168..263, 402..490, 561..666		

Seq. No.	15435	Seq. ID	OJ990617_06.9A27.C74
Gene No.	32741	Strand	+
Start	82	End	1236
Name	OJ990617_06.9A27.C74.o1.gs	Method	GENSCAN
Start	82	End	1236
GI	none	Score	.6
Exons	82..353, 479..1236		

Seq. No.	15435	Seq. ID	OJ990617_06.9A27.C74
Gene No.	32742	Strand	-
Start	1	End	1100
Name	OJ990617_06.9A27.C74.o1.np	Method	AAT/NAP
Start	1	End	515
GI	4581156	Score	303
Exons	1..31, 170..325, 411..515		
GI Descrip.	(AC006919) putative pyruvate kinase [Arabidopsis thaliana]		

Seq. No.	15435	Seq. ID	OJ990617_06.9A27.C74
Gene No.	32742	Strand	-
Start	1	End	1100
Name	OJ990617_06.9A27.C74.o1.tc	Method	TBLASTX:Cress
Start	170	End	891
GI	none	Score	131
Exons	170..325, 171..326, 406..531, 819..890, 822..890, 823..891	408..521, 603..728, 604..699,	

Seq. No.	15435	Seq. ID	OJ990617_06.9A27.C74
Gene No.	32742	Strand	-
Start	1	End	1100
Name	OJ990617_06.9A27.C74.o1.tm	Method	TBLASTX:Maize
Start	170	End	891
GI	none	Score	205
Exons	170..325, 171..326, 406..540, 603..728, 606..698, 631..672,	408..563, 410..562, 475..693, 822..887, 822..890, 838..891	

Seq. No.	15435	Seq. ID	OJ990617_06.9A27.C74
Gene No.	32742	Strand	-
Start	1	End	1100
Name	OJ990617_06.9A27.C74.o1.gp	Method	AAT/GAP
Start	216	End	1100
GI	7253_3.R1084	Score	1095
Exons	216..325, 411..508, 602..698, 819..1100		
GI Descrip.	'4581156/gb\|AAD24640.1\|AC006919_18 2.0e-26 (AC006919) putative pyruvate kinase [Arabidopsis thaliana]'		

Seq. No.	15435	Seq. ID	OJ990617_06.9A27.C74
Gene No.	32742	Strand	-
Start	1	End	1100
Name	OJ990617_06.9A27.C74.o1.ts	Method	TBLASTX:Soybean
Start	222	End	890
GI	none	Score	121
Exons	222..326, 224..325, 406..540, 408..521, 603..695, 603..728, 604..699, 819..890, 822..887		

Seq. No.	15436	Seq. ID	OJ990617_06.9A27.C75
Gene No.	32743	Strand	
Start	405	End	1005
Name	OJ990617_06.9A27.C75.o1.tm	Method	TBLASTX:Maize
Start	405	End	1005
GI	none	Score	49
Exons	405..467, 406..468, 474..545, 484..546, 488..547, 872..925, 873..926, 874..927, 925..1005, 926..1003, 927..1004, 928..1005		

Seq. No.	15437	Seq. ID	OJ990617_06.9A27.C76
Gene No.	32744	Strand	-
Start	228	End	1813
Name	OJ990617_06.9A27.C76.o1.gs	Method	GENSCAN
Start	228	End	1813
GI	none	Score	.98
Exons	228..507, 603..1813		

Seq. No.	15438	Seq. ID	OJ990617_06.9A27.C77
Gene No.	32745	Strand	+
Start	1254	End	1738
Name	OJ990617_06.9A27.C77.o1.gs	Method	GENSCAN
Start	1254	End	1738
GI	none	Score	.46
Exons	1254..1370, 1623..1738		

Seq. No.	15438	Seq. ID	OJ990617_06.9A27.C77
Gene No.	32746	Strand	-
Start	2414	End	3094
Name	OJ990617_06.9A27.C77.o2.gs	Method	GENSCAN
Start	2414	End	3091
GI	none	Score	.8
Exons	2414..2749, 2933..3091		

Seq. No.	15438	Seq. ID	OJ990617_06.9A27.C77
Gene No.	32746	Strand	-
Start	2414	End	3094
Name	OJ990617_06.9A27.C77.o1.np	Method	AAT/NAP
Start	2420	End	3091

GI	3193332	Score	163
Exons	2420..2557, 2666..2778, 2903..3091		
GI Descrip.	(AF069299) similar to Arabidopsis AT-hook protein 1 (GB:AJ222585) [Arabidopsis thaliana]		

Seq. No.	15438	Seq. ID	OJ990617_06.9A27.C77
Gene No.	32746	Strand	-
Start	2414	End	3094
Name	OJ990617_06.9A27.C77.o1.tm	Method	TBLASTX:Maize
Start	2710	End	3094
GI	none	Score	120
Exons	2710..2781, 2726..2788, 2930..3043, 2931..3011, 2932..3033, 3020..3094, 3048..3092, 3050..3094		

Seq. No.	15439	Seq. ID	OJ990617_06.9A27.C78
Gene No.	32747	Strand	-
Start	883	End	1232
Name	OJ990617_06.9A27.C78.o1.gp	Method	AAT/GAP
Start	883	End	1232
GI	3760161	Score	596
Exons	883..1232		

Seq. No.	15440	Seq. ID	OJ990617_06.9A27.C79
Gene No.	32748	Strand	+
Start	78	End	2548
Name	OJ990617_06.9A27.C79.o1.gp	Method	AAT/GAP
Start	78	End	549
GI	4878121	Score	854
Exons	78..549		

Seq. No.	15440	Seq. ID	OJ990617_06.9A27.C79
Gene No.	32748	Strand	+
Start	78	End	2548
Name	OJ990617_06.9A27.C79.o1.gs	Method	GENSCAN
Start	183	End	2227
GI	none	Score	.55
Exons	183..562, 658..1073, 1997..2227		

Seq. No.	15440	Seq. ID	OJ990617_06.9A27.C79
Gene No.	32748	Strand	+
Start	78	End	2548
Name	OJ990617_06.9A27.C79.o2.gp	Method	AAT/GAP
Start	687	End	2548
GI	none	Score	1440
Exons	687..1031, 1778..1922, 1997..2243, 2528..2548		

Seq. No.	15441	Seq. ID	OJ990617_06.9A27.C80
Gene No.	32749	Strand	+
Start	1	End	1342
Name	OJ990617_06.9A27.C80.o1.gp	Method	AAT/GAP
Start	1	End	1342
GI	none	Score	290
Exons	1..79, 1259..1342		

Seq. No.	15441	Seq. ID	OJ990617_06.9A27.C80
Gene No.	32750	Strand	-
Start	1064	End	1189

Name	OJ990617_06.9A27.C80.o1.gs	Method	GENSCAN
Start	1064	End	1189
GI	none	Score	.63
Exons	1064..1189		

Seq. No.	15442	Seq. ID	OJ990617_06.9A27.C81
Gene No.	32751	Strand	+
Start	1	End	1087
Name	OJ990617_06.9A27.C81.o1.np	Method	AAT/NAP
Start	1	End	1087
GI	4581156	Score	602
Exons	1..273, 344..432, 571..666, 816..883, 971..1087		
GI Descrip.	(AC006919) putative pyruvate kinase [Arabidopsis thaliana]		

Seq. No.	15442	Seq. ID	OJ990617_06.9A27.C81
Gene No.	32751	Strand	+
Start	1	End	1087
Name	OJ990617_06.9A27.C81.o1.tm	Method	TBLASTX:Maize
Start	103	End	1079
GI	none	Score	48
Exons	103..165, 115..234, 122..235, 128..235, 141..275, 147..272, 321..431, 335..421, 343..432, 344..439, 345..434, 559..669, 569..661, 570..668, 808..882, 809..916, 816..884, 968..1069, 969..1070, 975..1079, 976..1071		

Seq. No.	15442	Seq. ID	OJ990617_06.9A27.C81
Gene No.	32751	Strand	+
Start	1	End	1087
Name	OJ990617_06.9A27.C81.o1.gp	Method	AAT/GAP
Start	104	End	1087
GI	7253_1.R1084	Score	888
Exons	104..273, 344..432, 571..666, 816..883, 971..1087		
GI Descrip.	'4581156/gb\|AAD24640.1\|AC006919_18 0.0e+00 (AC006919) putative pyruvate kinase [Arabidopsis thaliana]'		

Seq. No.	15442	Seq. ID	OJ990617_06.9A27.C81
Gene No.	32751	Strand	+
Start	1	End	1087
Name	OJ990617_06.9A27.C81.o1.ts	Method	TBLASTX:Soybean
Start	115	End	1079
GI	none	Score	118
Exons	115..219, 122..235, 128..235, 141..275, 147..263, 308..421, 336..431, 343..432, 345..446, 347..439, 539..646, 546..668, 557..667, 559..669, 564..668, 809..916, 816..884, 959..1069, 969..1070, 981..1079		

Seq. No.	15442	Seq. ID	OJ990617_06.9A27.C81
Gene No.	32751	Strand	+
Start	1	End	1087
Name	OJ990617_06.9A27.C81.o1.tc	Method	TBLASTX:Cress
Start	122	End	1070
GI	none	Score	127
Exons	122..235, 128..235, 141..275, 150..263, 329..412, 336..431, 343..432, 559..669, 564..668, 809..898, 816..884, 959..1069, 969..1070		

Seq. No.	15442	Seq. ID	OJ990617_06.9A27.C81

Gene No.	32751	Strand	+
Start	1	End	1087
Name	OJ990617_06.9A27.C81.o1.gs	Method	GENSCAN
Start	168	End	1070
GI	none	Score	.93
Exons	168..273, 344..432, 571..666,	816..883,	971..1070

Seq. No.	15442	Seq. ID	OJ990617_06.9A27.C81
Gene No.	32751	Strand	+
Start	1	End	1087
Name	OJ990617_06.9A27.C81.o1.tw	Method	TBLASTX:Wheat
Start	627	End	1079
GI	none	Score	67
Exons	627..668, 628..669, 631..690, 809..901, 816..884, 968..1069, 969..1070, 972..1079, 973..1071		

Seq. No.	15443	Seq. ID	OJ990617_06.9A27.C82
Gene No.	32752	Strand	+
Start	1	End	793
Name	OJ990617_06.9A27.C82.o1.np	Method	AAT/NAP
Start	1	End	522
GI	4581156	Score	221
Exons	1..77, 373..522		
GI Descrip.	(AC006919) putative pyruvate kinase [Arabidopsis thaliana]		

Seq. No.	15443	Seq. ID	OJ990617_06.9A27.C82
Gene No.	32752	Strand	+
Start	1	End	793
Name	OJ990617_06.9A27.C82.o1.gp	Method	AAT/GAP
Start	373	End	793
GI	7253_1.R1084	Score	810
Exons	373..793		
GI Descrip.	'4581156/gb\|AAD24640.1\|AC006919_18 0.0e+00 (AC006919) putative pyruvate kinase [Arabidopsis thaliana]'		

Seq. No.	15443	Seq. ID	OJ990617_06.9A27.C82
Gene No.	32752	Strand	+
Start	1	End	793
Name	OJ990617_06.9A27.C82.o1.gs	Method	GENSCAN
Start	373	End	525
GI	none	Score	.96
Exons	373..525		

Seq. No.	15443	Seq. ID	OJ990617_06.9A27.C82
Gene No.	32753	Strand	-
Start	1692	End	3200
Name	OJ990617_06.9A27.C82.o1.tw	Method	TBLASTX:Wheat
Start	369	End	525
GI	none	Score	140
Exons	369..521, 372..524, 373..525,	373..525	

Seq. No.	15443	Seq. ID	OJ990617_06.9A27.C82
Gene No.	32753	Strand	-
Start	1692	End	3200
Name	OJ990617_06.9A27.C82.o1.tm	Method	TBLASTX:Maize
Start	371	End	783
GI	none	Score	134

Exons	371..541, 372..542, 373..552, 619..675, 622..672, 623..679, 630..677, 720..764, 726..764, 745..783, 746..781		
Seq. No.	15443	Seq. ID	OJ990617_06.9A27.C82
Gene No.	32753	Strand	-
Start	1692	End	3200
Name	OJ990617_06.9A27.C82.o1.tc	Method	TBLASTX:Cress
Start	372	End	529
GI	none	Score	229
Exons	372..524, 373..525, 377..529, 394..525		
Seq. No.	15443	Seq. ID	OJ990617_06.9A27.C82
Gene No.	32753	Strand	-
Start	1692	End	3200
Name	OJ990617_06.9A27.C82.o1.ts	Method	TBLASTX:Soybean
Start	372	End	533
GI	none	Score	229
Exons	372..533, 373..528		
Seq. No.	15443	Seq. ID	OJ990617_06.9A27.C82
Gene No.	32753	Strand	-
Start	1692	End	3200
Name	OJ990617_06.9A27.C82.o2.gs	Method	GENSCAN
Start	1692	End	3200
GI	none	Score	.59
Exons	1692..1804, 1906..2164, 2404..2553, 3039..3200		
Seq. No.	15443	Seq. ID	OJ990617_06.9A27.C82
Gene No.	32753	Strand	-
Start	1692	End	3200
Name	OJ990617_06.9A27.C82.o2.gp	Method	AAT/GAP
Start	2076	End	3082
GI	none	Score	789
Exons	2076..2241, 2344..2553, 3039..3082		
Seq. No.	15443	Seq. ID	OJ990617_06.9A27.C82
Gene No.	32753	Strand	-
Start	1692	End	3200
Name	OJ990617_06.9A27.C82.o2.tm	Method	TBLASTX:Maize
Start	2180	End	2559
GI	none	Score	65
Exons	2180..2239, 2180..2236, 2332..2418, 2339..2413, 2380..2559, 2406..2519, 2410..2553		
Seq. No.	15444	Seq. ID	OJ990617_06.9A27.C83
Gene No.	32754	Strand	
Start	369	End	804
Name	OJ990617_06.9A27.C83.o1.tw	Method	TBLASTX:Wheat
Start	369	End	804
GI	none	Score	78
Exons	369..440, 369..437, 466..717, 525..719, 527..727, 532..720, 584..727, 728..802, 728..802, 745..804		
Seq. No.	15445	Seq. ID	OJ990617_06.9A27.C86
Gene No.	32755	Strand	-
Start	48	End	491
Name	OJ990617_06.9A27.C86.o1.gs	Method	GENSCAN

Start	48	End	489
GI	none	Score	.76
Exons	48..489		

Seq. No.	15445	Seq. ID	OJ990617_06.9A27.C86
Gene No.	32755	Strand	-
Start	48	End	491
Name	OJ990617_06.9A27.C86.o1.tm	Method	TBLASTX:Maize
Start	309	End	491
GI	none	Score	159
Exons	309..491, 310..489		

Seq. No.	15446	Seq. ID	OJ990617_06.9A27.C88
Gene No.	32756	Strand	-
Start	11	End	187
Name	OJ990617_06.9A27.C88.o1.gs	Method	GENSCAN
Start	11	End	187
GI	none	Score	.61
Exons	11..187		

Seq. No.	15447	Seq. ID	OJ990617_06.9A27.C92
Gene No.	32757	Strand	+
Start	4658	End	6105
Name	OJ990617_06.9A27.C92.o2.gs	Method	GENSCAN
Start	4658	End	5883
GI	none	Score	.66
Exons	4658..5027, 5481..5548, 5698..5883		

Seq. No.	15447	Seq. ID	OJ990617_06.9A27.C92
Gene No.	32757	Strand	+
Start	4658	End	6105
Name	OJ990617_06.9A27.C92.o1.np	Method	AAT/NAP
Start	4781	End	6105
GI	6633838	Score	159
Exons	4781..5027, 5481..5548, 5665..5844, 6031..6105		
GI Descrip.	(AC008047) F2K11.15 [Arabidopsis thaliana]		

Seq. No.	15447	Seq. ID	OJ990617_06.9A27.C92
Gene No.	32757	Strand	+
Start	4658	End	6105
Name	OJ990617_06.9A27.C92.o1.ts	Method	TBLASTX:Soybean
Start	5471	End	5835
GI	none	Score	64
Exons	5471..5548, 5662..5811, 5664..5834, 5665..5835		

Seq. No.	15447	Seq. ID	OJ990617_06.9A27.C92
Gene No.	32757	Strand	+
Start	4658	End	6105
Name	OJ990617_06.9A27.C92.o1.tm	Method	TBLASTX:Maize
Start	5516	End	5796
GI	none	Score	58
Exons	5516..5548, 5518..5550, 5650..5796, 5650..5796		

Seq. No.	15448	Seq. ID	OJ990617_06.9A27.C95
Gene No.	32758	Strand	-
Start	54	End	741
Name	OJ990617_06.9A27.C95.o1.gs	Method	GENSCAN

Start	54	End	741
GI	none	Score	.52
Exons	54..89, 145..741		

Seq. No.	15449	Seq. ID	OJ990617_06.9A27.C96
Gene No.	32759	Strand	+
Start	3294	End	3704
Name	OJ990617_06.9A27.C96.o1.gp	Method	AAT/GAP
Start	3294	End	3704
GI	28763_1.R1084	Score	692
Exons	3294..3704		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	15449	Seq. ID	OJ990617_06.9A27.C96
Gene No.	32760	Strand	-
Start	933	End	4391
Name	OJ990617_06.9A27.C96.o1.gs	Method	GENSCAN
Start	933	End	3685
GI	none	Score	.96
Exons	933..1259, 1604..1756, 1828..1950, 2111..2295, 2755..2844, 3506..3685		

Seq. No.	15449	Seq. ID	OJ990617_06.9A27.C96
Gene No.	32760	Strand	-
Start	933	End	4391
Name	OJ990617_06.9A27.C96.o1.tm	Method	TBLASTX:Maize
Start	933	End	3689
GI	none	Score	357
Exons	933..1259, 934..1260, 1578..1757, 1601..1756, 1602..1757, 1823..1951, 1826..1942, 1827..1970, 1828..1953, 2109..2297, 2111..2296, 2111..2326, 2158..2298, 2732..2845, 2733..2846, 3507..3689, 3508..3687		

Seq. No.	15449	Seq. ID	OJ990617_06.9A27.C96
Gene No.	32760	Strand	-
Start	933	End	4391
Name	OJ990617_06.9A27.C96.o1.ts	Method	TBLASTX:Soybean
Start	948	End	1697
GI	none	Score	272
Exons	948..1259, 979..1260, 1578..1697, 1601..1696		

Seq. No.	15449	Seq. ID	OJ990617_06.9A27.C96
Gene No.	32760	Strand	-
Start	933	End	4391
Name	OJ990617_06.9A27.C96.o1.np	Method	AAT/NAP
Start	1008	End	4391
GI	3023751	Score	237
Exons	1008..1259, 1604..1756, 1828..1950, 2120..2342, 4268..4391		
GI Descrip.	70 KD PEPTIDYLPROLYL ISOMERASE (PEPTIDYLPROLYL CIS-TRANS ISOMERASE) (CYCLOPHILIN) (PPIASE) gi\|1076772\|pir\|\|S55383 peptidylprolyl isomerase (EC 5.2.1.8) - wheat gi\|854626\|emb\|CAA60505\| (X86903) peptidylprolyl isomerase [Triticum aestivum]		

Seq. No.	15449	Seq. ID	OJ990617_06.9A27.C96
Gene No.	32760	Strand	-

Start	933	End	4391
Name	OJ990617_06.9A27.C96.o2.ts	Method	TBLASTX:Soybean
Start	1712	End	2302
GI	none	Score	69
Exons	1712..1753, 1712..1756, 1837..1953, 1838..1867, 1888..1953, 2099..2302, 2099..2293, 2106..2294		

Seq. No.	15449	Seq. ID	OJ990617_06.9A27.C96
Gene No.	32760	Strand	-
Start	933	End	4391
Name	OJ990617_06.9A27.C96.o1.tc	Method	TBLASTX:Cress
Start	2726	End	3678
GI	none	Score	93
Exons	2726..2845, 2757..2843, 3505..3678, 3507..3677		

Seq. No.	15449	Seq. ID	OJ990617_06.9A27.C96
Gene No.	32760	Strand	-
Start	933	End	4391
Name	OJ990617_06.9A27.C96.o1.tw	Method	TBLASTX:Wheat
Start	3529	End	3699
GI	none	Score	157
Exons	3529..3699, 3529..3672, 3534..3698		

Seq. No.	15450	Seq. ID	OJ990617_06.9A27.C97
Gene No.	32761	Strand	+
Start	14	End	151
Name	OJ990617_06.9A27.C97.o1.gs	Method	GENSCAN
Start	14	End	151
GI	none	Score	.48
Exons	14..151		

Seq. No.	15450	Seq. ID	OJ990617_06.9A27.C97
Gene No.	32762	Strand	-
Start	1	End	147
Name	OJ990617_06.9A27.C97.o1.gp	Method	AAT/GAP
Start	1	End	147
GI	28763_1.R1084	Score	283
Exons	1..147		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	15450	Seq. ID	OJ990617_06.9A27.C97
Gene No.	32763	Strand	-
Start	1819	End	2332
Name	OJ990617_06.9A27.C97.o2.gs	Method	GENSCAN
Start	1819	End	2230
GI	none	Score	.93
Exons	1819..2230		

Seq. No.	15450	Seq. ID	OJ990617_06.9A27.C97
Gene No.	32763	Strand	-
Start	1819	End	2332
Name	OJ990617_06.9A27.C97.o1.np	Method	AAT/NAP
Start	1849	End	2332
GI	6862912	Score	285
Exons	1849..2332		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	15450	Seq. ID	OJ990617_06.9A27.C97
Gene No.	32763	Strand	-
Start	1819	End	2332
Name	OJ990617_06.9A27.C97.o1.tc	Method	TBLASTX:Cress
Start	1906	End	2121
GI	none	Score	104
Exons	1906..2025, 1916..2017, 2023..2121		

Seq. No.	15450	Seq. ID	OJ990617_06.9A27.C97
Gene No.	32763	Strand	-
Start	1819	End	2332
Name	OJ990617_06.9A27.C97.o1.ts	Method	TBLASTX:Soybean
Start	1909	End	2214
GI	none	Score	84
Exons	1909..2025, 1940..1990, 2023..2103, 2176..2214		

Seq. No.	15450	Seq. ID	OJ990617_06.9A27.C97
Gene No.	32763	Strand	-
Start	1819	End	2332
Name	OJ990617_06.9A27.C97.o1.tm	Method	TBLASTX:Maize
Start	1984	End	2234
GI	none	Score	227
Exons	1984..2232, 1985..2233, 2091..2234		

Seq. No.	15451	Seq. ID	OJ990617_06.9A27.C98
Gene No.	32764	Strand	-
Start	1	End	967
Name	OJ990617_06.9A27.C98.o1.np	Method	AAT/NAP
Start	1	End	967
GI	6862912	Score	435
Exons	1..371, 782..967		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	15451	Seq. ID	OJ990617_06.9A27.C98
Gene No.	32764	Strand	-
Start	1	End	967
Name	OJ990617_06.9A27.C98.o1.tc	Method	TBLASTX:Cress
Start	47	End	262
GI	none	Score	107
Exons	47..166, 57..158, 164..262		

Seq. No.	15451	Seq. ID	OJ990617_06.9A27.C98
Gene No.	32764	Strand	-
Start	1	End	967
Name	OJ990617_06.9A27.C98.o1.ts	Method	TBLASTX:Soybean
Start	50	End	355
GI	none	Score	92
Exons	50..166, 81..131, 164..244, 317..355		

Seq. No.	15451	Seq. ID	OJ990617_06.9A27.C98
Gene No.	32764	Strand	-
Start	1	End	967
Name	OJ990617_06.9A27.C98.o1.tm	Method	TBLASTX:Maize
Start	125	End	933
GI	none	Score	227
Exons	125..373, 126..374, 132..374, 733..933, 782..925, 784..933		

Seq. No.	15451	Seq. ID	OJ990617_06.9A27.C98
Gene No.	32764	Strand	-
Start	1	End	967
Name	OJ990617_06.9A27.C98.o1.gp	Method	AAT/GAP
Start	168	End	903
GI	3090570	Score	414
Exons	168..371, 782..903		

Seq. No.	15451	Seq. ID	OJ990617_06.9A27.C98
Gene No.	32764	Strand	-
Start	1	End	967
Name	OJ990617_06.9A27.C98.o2.tc	Method	TBLASTX:Cress
Start	317	End	933
GI	none	Score	58
Exons	317..373, 324..374, 733..933, 782..931		

Seq. No.	15452	Seq. ID	OJ990617_06.9A27.C101
Gene No.	32765	Strand	+
Start	1	End	3743
Name	OJ990617_06.9A27.C101.o1.np	Method	AAT/NAP
Start	1	End	3743
GI	5441880	Score	1231
Exons	1..20, 231..560, 1162..1302, 1411..1743, 2322..2620, 2725..2986, 3628..3743		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	15452	Seq. ID	OJ990617_06.9A27.C101
Gene No.	32765	Strand	+
Start	1	End	3743
Name	OJ990617_06.9A27.C101.o1.gs	Method	GENSCAN
Start	63	End	3699
GI	none	Score	.56
Exons	63..681, 1148..1264, 1377..1532, 1658..1743, 1828..2050, 2123..2241, 2322..2620, 2725..2986, 3079..3186, 3233..3334, 3450..3472, 3530..3699		

Seq. No.	15452	Seq. ID	OJ990617_06.9A27.C101
Gene No.	32765	Strand	+
Start	1	End	3743
Name	OJ990617_06.9A27.C101.o1.gp	Method	AAT/GAP
Start	3218	End	3665
GI	LIB3433-020-P1-K1-A6	Score	727
Exons	3218..3665		
GI Descrip.	'5670155/gb\|AF161269.1\|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	15453	Seq. ID	OJ990617_06.9A27.C102
Gene No.	32766	Strand	+
Start	9	End	701
Name	OJ990617_06.9A27.C102.o1.gs	Method	GENSCAN
Start	9	End	701
GI	none	Score	.48
Exons	9..74, 154..260, 262..475, 561..701		

Seq. No.	15454	Seq. ID	OJ990617_06.9A27.C104
Gene No.	32767	Strand	+
Start	151	End	599
Name	OJ990617_06.9A27.C104.o1.gs	Method	GENSCAN
Start	151	End	599
GI	none	Score	.59
Exons	151..599		

Seq. No.	15455	Seq. ID	OJ990617_06.9A27.C105
Gene No.	32768	Strand	+
Start	227	End	359
Name	OJ990617_06.9A27.C105.o1.gs	Method	GENSCAN
Start	227	End	359
GI	none	Score	.77
Exons	227..359		

Seq. No.	15456	Seq. ID	OJ990617_06.9A27.C107
Gene No.	32769	Strand	+
Start	1	End	787
Name	OJ990617_06.9A27.C107.o1.np	Method	AAT/NAP
Start	1	End	787
GI	6630699	Score	69
Exons	1..20, 704..787		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	15456	Seq. ID	OJ990617_06.9A27.C107
Gene No.	32770	Strand	-
Start	517	End	675
Name	OJ990617_06.9A27.C107.o1.gs	Method	GENSCAN
Start	517	End	675
GI	none	Score	.83
Exons	517..675		

Seq. No.	15457	Seq. ID	OJ990617_06.9A27.C108
Gene No.	32771	Strand	+
Start	43	End	328
Name	OJ990617_06.9A27.C108.o1.gs	Method	GENSCAN
Start	43	End	328
GI	none	Score	.49
Exons	43..149, 280..328		

Seq. No.	15457	Seq. ID	OJ990617_06.9A27.C108
Gene No.	32772	Strand	-
Start	1021	End	1227
Name	OJ990617_06.9A27.C108.o2.gs	Method	GENSCAN
Start	1021	End	1227
GI	none	Score	.99
Exons	1021..1227		

Seq. No.	15458	Seq. ID	OJ990617_06.9A27.C111
Gene No.	32773	Strand	-
Start	1	End	819
Name	OJ990617_06.9A27.C111.o1.np	Method	AAT/NAP
Start	1	End	819
GI	6862912	Score	625

Exons	1..217, 398..819		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	15458	Seq. ID	OJ990617_06.9A27.C111
Gene No.	32773	Strand	-
Start	1	End	819
Name	OJ990617_06.9A27.C111.o1.tc	Method	TBLASTX:Cress
Start	58	End	636
GI	none	Score	96
Exons	58..219, 59..223, 398..466, 400..468, 443..634, 445..633, 484..636, 524..634		

Seq. No.	15458	Seq. ID	OJ990617_06.9A27.C111
Gene No.	32773	Strand	-
Start	1	End	819
Name	OJ990617_06.9A27.C111.o1.tm	Method	TBLASTX:Maize
Start	58	End	562
GI	none	Score	155
Exons	58..216, 59..217, 397..555, 400..555, 401..562, 401..556		

Seq. No.	15458	Seq. ID	OJ990617_06.9A27.C111
Gene No.	32773	Strand	-
Start	1	End	819
Name	OJ990617_06.9A27.C111.o1.gp	Method	AAT/GAP
Start	59	End	180
GI	3090570	Score	150
Exons	59..180		

Seq. No.	15458	Seq. ID	OJ990617_06.9A27.C111
Gene No.	32773	Strand	-
Start	1	End	819
Name	OJ990617_06.9A27.C111.o1.gs	Method	GENSCAN
Start	59	End	492
GI	none	Score	.69
Exons	59..217, 398..492		

Seq. No.	15458	Seq. ID	OJ990617_06.9A27.C111
Gene No.	32773	Strand	-
Start	1	End	819
Name	OJ990617_06.9A27.C111.o1.ts	Method	TBLASTX:Soybean
Start	406	End	756
GI	none	Score	71
Exons	406..468, 547..612, 644..754, 646..756		

Seq. No.	15459	Seq. ID	OJ990617_06.9A27.C112
Gene No.	32774	Strand	-
Start	1	End	860
Name	OJ990617_06.9A27.C112.o1.np	Method	AAT/NAP
Start	1	End	860
GI	6862912	Score	188
Exons	1..19, 624..860		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	15459	Seq. ID	OJ990617_06.9A27.C112
Gene No.	32774	Strand	-
Start	1	End	860
Name	OJ990617_06.9A27.C112.o1.gs	Method	GENSCAN

Start	200	End	808
GI	none	Score	.94
Exons	200..224, 627..808		

Seq. No.	15459	Seq. ID	OJ990617_06.9A27.C112
Gene No.	32774	Strand	-
Start	1	End	860
Name	OJ990617_06.9A27.C112.o1.tc	Method	TBLASTX:Cress
Start	611	End	790
GI	none	Score	88
Exons	611..790, 618..725		

Seq. No.	15459	Seq. ID	OJ990617_06.9A27.C112
Gene No.	32774	Strand	-
Start	1	End	860
Name	OJ990617_06.9A27.C112.o1.tm	Method	TBLASTX:Maize
Start	621	End	790
GI	none	Score	131
Exons	621..749, 626..751, 761..790		

Seq. No.	15459	Seq. ID	OJ990617_06.9A27.C112
Gene No.	32774	Strand	-
Start	1	End	860
Name	OJ990617_06.9A27.C112.o1.ts	Method	TBLASTX:Soybean
Start	624	End	769
GI	none	Score	110
Exons	624..767, 626..769		

Seq. No.	15460	Seq. ID	OJ990617_06.9A27.C113
Gene No.	32775	Strand	
Start	873	End	1051
Name	OJ990617_06.9A27.C113.o1.tm	Method	TBLASTX:Maize
Start	873	End	1051
GI	none	Score	72
Exons	873..968, 878..973, 878..1051		

Seq. No.	15461	Seq. ID	OJ990617_06.9A27.C114
Gene No.	32776	Strand	+
Start	268	End	437
Name	OJ990617_06.9A27.C114.o1.gs	Method	GENSCAN
Start	268	End	437
GI	none	Score	.65
Exons	268..437		

Seq. No.	15461	Seq. ID	OJ990617_06.9A27.C114
Gene No.	32777	Strand	-
Start	1	End	315
Name	OJ990617_06.9A27.C114.o1.gp	Method	AAT/GAP
Start	1	End	315
GI	none	Score	418
Exons	1..161, 252..315		

Seq. No.	15462	Seq. ID	OJ990617_06.9A27.C115
Gene No.	32778	Strand	-
Start	1563	End	2256
Name	OJ990617_06.9A27.C115.o1.gs	Method	GENSCAN
Start	1563	End	2256

GI	none	Score	.59
Exons	1563..1859, 2128..2256		

Seq. No.	15462	Seq. ID	OJ990617_06.9A27.C115
Gene No.	32779	Strand	-
Start	2539	End	2687
Name	OJ990617_06.9A27.C115.o1.np	Method	AAT/NAP
Start	2539	End	2687
GI	1922938	Score	141
Exons	2539..2687		
GI Descrip.	(AC000106) Similar to Caenorhabditis hypothetical protein CO7A9.11 (gb\|Z29094). [Arabidopsis thaliana]		

Seq. No.	15463	Seq. ID	OJ990617_06.9A27.C116
Gene No.	32780	Strand	-
Start	1	End	2472
Name	OJ990617_06.9A27.C116.o1.gp	Method	AAT/GAP
Start	1	End	343
GI	45103_1.R1084	Score	634
Exons	1..343		
GI Descrip.	'1922938 1.0e-77 (AC000106) Similar to Caenorhabditis hypothetical protein CO7A9.11 (gb_Z29094). [Arabidopsis thaliana]'		

Seq. No.	15463	Seq. ID	OJ990617_06.9A27.C116
Gene No.	32780	Strand	-
Start	1	End	2472
Name	OJ990617_06.9A27.C116.o1.np	Method	AAT/NAP
Start	1	End	2472
GI	1922938	Score	802
Exons	1..363, 1105..1206, 1672..2472		
GI Descrip.	(AC000106) Similar to Caenorhabditis hypothetical protein CO7A9.11 (gb\|Z29094). [Arabidopsis thaliana]		

Seq. No.	15463	Seq. ID	OJ990617_06.9A27.C116
Gene No.	32780	Strand	-
Start	1	End	2472
Name	OJ990617_06.9A27.C116.o1.tm	Method	TBLASTX:Maize
Start	11	End	370
GI	none	Score	384
Exons	11..370, 11..166, 13..369		

Seq. No.	15463	Seq. ID	OJ990617_06.9A27.C116
Gene No.	32780	Strand	-
Start	1	End	2472
Name	OJ990617_06.9A27.C116.o1.gs	Method	GENSCAN
Start	364	End	2280
GI	none	Score	.68
Exons	364..438, 1576..2280		

Seq. No.	15464	Seq. ID	OJ990617_06.9A27.C118
Gene No.	32781	Strand	+
Start	1	End	1528
Name	OJ990617_06.9A27.C118.o1.np	Method	AAT/NAP
Start	1	End	1528
GI	6862912	Score	464
Exons	1..29, 1087..1528		

GI Descrip. (AC018907) unknown protein [Arabidopsis thaliana]

Seq. No.	15464	Seq. ID	OJ990617_06.9A27.C118
Gene No.	32781	Strand	+
Start	1	End	1528
Name	OJ990617_06.9A27.C118.o1.tm	Method	TBLASTX:Maize
Start	1090	End	1465
GI	none	Score	131
Exons	1090..1218, 1106..1228, 1214..1330, 1418..1465		

Seq. No.	15464	Seq. ID	OJ990617_06.9A27.C118
Gene No.	32781	Strand	+
Start	1	End	1528
Name	OJ990617_06.9A27.C118.o1.ts	Method	TBLASTX:Soybean
Start	1090	End	1465
GI	none	Score	161
Exons	1090..1242, 1097..1240, 1274..1339, 1418..1465		

Seq. No.	15464	Seq. ID	OJ990617_06.9A27.C118
Gene No.	32781	Strand	+
Start	1	End	1528
Name	OJ990617_06.9A27.C118.o1.tc	Method	TBLASTX:Cress
Start	1250	End	1468
GI	none	Score	80
Exons	1250..1402, 1252..1362, 1252..1443, 1253..1441, 1418..1468, 1420..1467		

Seq. No.	15465	Seq. ID	OJ990617_06.9A27.C121
Gene No.	32782	Strand	+
Start	227	End	535
Name	OJ990617_06.9A27.C121.o1.gp	Method	AAT/GAP
Start	227	End	408
GI	none	Score	300
Exons	227..408		

Seq. No.	15465	Seq. ID	OJ990617_06.9A27.C121
Gene No.	32782	Strand	+
Start	227	End	535
Name	OJ990617_06.9A27.C121.o1.tm	Method	TBLASTX:Maize
Start	227	End	535
GI	none	Score	44
Exons	227..295, 227..535, 374..535		

Seq. No.	15466	Seq. ID	OJ990517_04.9A01.C1
Gene No.	32783	Strand	+
Start	472	End	582
Name	OJ990517_04.9A01.C1.o1.gp	Method	AAT/GAP
Start	472	End	582
GI	uC-osflcyp088b12b1	Score	147
Exons	472..582		

GI Descrip. '5257255/dbj|AP000364.1|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'

Seq. No.	15467	Seq. ID	OJ990517_04.9A01.C2
Gene No.	32784	Strand	+
Start	1	End	703
Name	OJ990517_04.9A01.C2.o2.np	Method	AAT/NAP

Start	1	End	703
GI	6815109	Score	178
Exons	1..20, 389..703		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	15467	Seq. ID	OJ990517_04.9A01.C2
Gene No.	32785	Strand	-
Start	1	End	238
Name	OJ990517_04.9A01.C2.o1.np	Method	AAT/NAP
Start	1	End	238
GI	6539570	Score	102
Exons	1..238		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	15467	Seq. ID	OJ990517_04.9A01.C2
Gene No.	32785	Strand	-
Start	1	End	238
Name	OJ990517_04.9A01.C2.o1.gs	Method	GENSCAN
Start	21	End	212
GI	none	Score	.41
Exons	21..212		

Seq. No.	15468	Seq. ID	OJ990517_04.9A01.C3
Gene No.	32786	Strand	-
Start	33	End	230
Name	OJ990517_04.9A01.C3.o1.gs	Method	GENSCAN
Start	33	End	230
GI	none	Score	.53
Exons	33..230		

Seq. No.	15469	Seq. ID	OJ990517_04.9A01.C4
Gene No.	32787	Strand	-
Start	65	End	168
Name	OJ990517_04.9A01.C4.o1.gs	Method	GENSCAN
Start	65	End	168
GI	none	Score	.72
Exons	65..168		

Seq. No.	15470	Seq. ID	OJ990517_04.9A01.C9
Gene No.	32788	Strand	-
Start	51	End	423
Name	OJ990517_04.9A01.C9.o1.gs	Method	GENSCAN
Start	51	End	423
GI	none	Score	.85
Exons	51..173, 269..423		

Seq. No.	15471	Seq. ID	OJ990517_04.9A01.C11
Gene No.	32789	Strand	+
Start	129	End	302
Name	OJ990517_04.9A01.C11.o1.gs	Method	GENSCAN
Start	129	End	302
GI	none	Score	.62
Exons	129..302		

Seq. No.	15472	Seq. ID	OJ990517_04.9A01.C12
Gene No.	32790	Strand	+
Start	1	End	496

Name	OJ990517_04.9A01.C12.o1.np	Method	AAT/NAP
Start	1	End	496
GI	6815109	Score	186
Exons	1..496		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	15472	Seq. ID	OJ990517_04.9A01.C12
Gene No.	32790	Strand	+
Start	1	End	496
Name	OJ990517_04.9A01.C12.o1.gs	Method	GENSCAN
Start	158	End	381
GI	none	Score	.47
Exons	158..196, 226..381		

Seq. No.	15473	Seq. ID	OJ990517_04.9A01.C14
Gene No.	32791	Strand	+
Start	52	End	263
Name	OJ990517_04.9A01.C14.o1.gs	Method	GENSCAN
Start	52	End	263
GI	none	Score	.52
Exons	52..263		

Seq. No.	15474	Seq. ID	OJ990517_04.9A01.C17
Gene No.	32792	Strand	+
Start	91	End	236
Name	OJ990517_04.9A01.C17.o1.gs	Method	GENSCAN
Start	91	End	236
GI	none	Score	.44
Exons	91..236		

Seq. No.	15474	Seq. ID	OJ990517_04.9A01.C17
Gene No.	32793	Strand	-
Start	1	End	280
Name	OJ990517_04.9A01.C17.o1.np	Method	AAT/NAP
Start	1	End	280
GI	6539570	Score	99
Exons	1..280		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	15474	Seq. ID	OJ990517_04.9A01.C17
Gene No.	32794	Strand	-
Start	1296	End	1518
Name	OJ990517_04.9A01.C17.o2.gs	Method	GENSCAN
Start	1296	End	1518
GI	none	Score	.99
Exons	1296..1400, 1405..1518		

Seq. No.	15475	Seq. ID	OJ990517_04.9A01.C23
Gene No.	32795	Strand	+
Start	286	End	889
Name	OJ990517_04.9A01.C23.o1.gs	Method	GENSCAN
Start	286	End	889
GI	none	Score	.7
Exons	286..514, 837..889		

Seq. No.	15476	Seq. ID	OJ990517_04.9A01.C24
Gene No.	32796	Strand	+

Start	60	End	290
Name	OJ990517_04.9A01.C24.o1.tc	Method	TBLASTX:Cress
Start	30	End	290
GI	none	Score	203
Exons	30..206, 41..91, 222..290		

Seq. No.	15476	Seq. ID	OJ990517_04.9A01.C24
Gene No.	32796	Strand	+
Start	60	End	290
Name	OJ990517_04.9A01.C24.o1.ts	Method	TBLASTX:Soybean
Start	30	End	170
GI	none	Score	179
Exons	30..170, 41..91		

Seq. No.	15476	Seq. ID	OJ990517_04.9A01.C24
Gene No.	32796	Strand	+
Start	60	End	290
Name	OJ990517_04.9A01.C24.o1.gs	Method	GENSCAN
Start	60	End	284
GI	none	Score	.96
Exons	60..284		

Seq. No.	15476	Seq. ID	OJ990517_04.9A01.C24
Gene No.	32796	Strand	+
Start	60	End	290
Name	OJ990517_04.9A01.C24.o1.gp	Method	AAT/GAP
Start	122	End	284
GI	8513_1.R1084	Score	261
Exons	122..284		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	15477	Seq. ID	OJ990517_04.9A01.C28
Gene No.	32797	Strand	-
Start	29	End	278
Name	OJ990517_04.9A01.C28.o1.gs	Method	GENSCAN
Start	29	End	278
GI	none	Score	.99
Exons	29..278		

Seq. No.	15478	Seq. ID	OJ990517_04.9A01.C32
Gene No.	32798	Strand	+
Start	1	End	325
Name	OJ990517_04.9A01.C32.o1.np	Method	AAT/NAP
Start	1	End	325
GI	5091617	Score	95
Exons	1..208, 286..325		
GI Descrip.	(AC007454) Contains similarity to gi\|479356 protein kinase PK1 from Zea mays, is a member of the PF\|00954 S-locus glycoprotein family and contains a PF\|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	15478	Seq. ID	OJ990517_04.9A01.C32
Gene No.	32798	Strand	+
Start	1	End	325
Name	OJ990517_04.9A01.C32.o1.gs	Method	GENSCAN
Start	64	End	223

GI	none	Score	.61
Exons	64..223		

Seq. No.	15478	Seq. ID	OJ990517_04.9A01.C32
Gene No.	32799	Strand	-
Start	1	End	325
Name	OJ990517_04.9A01.C32.o1.gp	Method	AAT/GAP
Start	1	End	325
GI	3826_1.R1084	Score	642
Exons	1..325		
GI Descrip.	'282882/pir\|\|S27755 6.0e-15 receptor-like protein kinase precursor - Arabidopsis thaliana >gi_166848 (M84659) receptor-like protein kinase [Arabidopsis thaliana]'		

Seq. No.	15478	Seq. ID	OJ990517_04.9A01.C32
Gene No.	32799	Strand	-
Start	1	End	325
Name	OJ990517_04.9A01.C32.o1.ts	Method	TBLASTX:Soybean
Start	50	End	223
GI	none	Score	208
Exons	50..223, 58..219		

Seq. No.	15479	Seq. ID	OJ990517_04.9A01.C35
Gene No.	32800	Strand	-
Start	646	End	853
Name	OJ990517_04.9A01.C35.o1.gs	Method	GENSCAN
Start	646	End	853
GI	none	Score	.98
Exons	646..729, 744..853		

Seq. No.	15480	Seq. ID	OJ990517_04.9A01.C36
Gene No.	32801	Strand	-
Start	195	End	557
Name	OJ990517_04.9A01.C36.o1.gs	Method	GENSCAN
Start	195	End	557
GI	none	Score	.62
Exons	195..557		

Seq. No.	15481	Seq. ID	OJ990517_04.9A01.C38
Gene No.	32802	Strand	-
Start	50	End	1301
Name	OJ990517_04.9A01.C38.o1.tc	Method	TBLASTX:Cress
Start	44	End	1007
GI	none	Score	37
Exons	44..127, 438..482, 439..483, 586..693, 588..785, 594..785, 945..1007		

Seq. No.	15481	Seq. ID	OJ990517_04.9A01.C38
Gene No.	32802	Strand	-
Start	50	End	1301
Name	OJ990517_04.9A01.C38.o1.ts	Method	TBLASTX:Soybean
Start	47	End	881
GI	none	Score	59
Exons	47..130, 99..137, 408..482, 580..774, 580..837, 588..881		

Seq. No.	15481	Seq. ID	OJ990517_04.9A01.C38
Gene No.	32802	Strand	-

Start	50	End	1301
Name	OJ990517_04.9A01.C38.o1.np	Method	AAT/NAP
Start	50	End	1009
GI	3169174	Score	345
Exons	50..130, 438..483, 589..821, 945..1009		
GI Descrip.	(AC004401) putative serine carboxypeptidase I [Arabidopsis thaliana]		

Seq. No.	15481	Seq. ID	OJ990517_04.9A01.C38
Gene No.	32802	Strand	-
Start	50	End	1301
Name	OJ990517_04.9A01.C38.o1.gs	Method	GENSCAN
Start	438	End	1022
GI	none	Score	.75
Exons	438..483, 589..821, 945..1022		

Seq. No.	15481	Seq. ID	OJ990517_04.9A01.C38
Gene No.	32802	Strand	-
Start	50	End	1301
Name	OJ990517_04.9A01.C38.o1.tm	Method	TBLASTX:Maize
Start	586	End	1301
GI	none	Score	212
Exons	586..822, 586..858, 588..869, 590..868, 945..1007, 945..1019, 949..1017, 1254..1301		

Seq. No.	15482	Seq. ID	OJ990517_04.9A01.C39
Gene No.	32803	Strand	-
Start	1	End	252
Name	OJ990517_04.9A01.C39.o1.np	Method	AAT/NAP
Start	1	End	234
GI	3169174	Score	99
Exons	1..145, 185..234		
GI Descrip.	(AC004401) putative serine carboxypeptidase I [Arabidopsis thaliana]		

Seq. No.	15482	Seq. ID	OJ990517_04.9A01.C39
Gene No.	32803	Strand	-
Start	1	End	252
Name	OJ990517_04.9A01.C39.o1.gs	Method	GENSCAN
Start	71	End	252
GI	none	Score	.49
Exons	71..252		

Seq. No.	15483	Seq. ID	OJ990517_04.9A01.C41
Gene No.	32804	Strand	-
Start	1	End	465
Name	OJ990517_04.9A01.C41.o1.np	Method	AAT/NAP
Start	1	End	459
GI	6539553	Score	598
Exons	1..459		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi\|6539590\|dbj\|BAA88206.1\| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	15483	Seq. ID	OJ990517_04.9A01.C41
Gene No.	32804	Strand	-

Start	1	End	465
Name	OJ990517_04.9A01.C41.o1.tm	Method	TBLASTX:Maize
Start	22	End	330
GI	none	Score	90
Exons	22..180, 23..193, 26..193, 190..279, 190..330, 191..322		

Seq. No.	15483	Seq. ID	OJ990517_04.9A01.C41
Gene No.	32804	Strand	-
Start	1	End	465
Name	OJ990517_04.9A01.C41.o1.tw	Method	TBLASTX:Wheat
Start	83	End	465
GI	none	Score	119
Exons	83..202, 84..203, 164..451, 190..465		

Seq. No.	15483	Seq. ID	OJ990517_04.9A01.C41
Gene No.	32804	Strand	-
Start	1	End	465
Name	OJ990517_04.9A01.C41.o1.gs	Method	GENSCAN
Start	156	End	351
GI	none	Score	.96
Exons	156..351		

Seq. No.	15484	Seq. ID	OJ990517_04.9A01.C44
Gene No.	32805	Strand	+
Start	64	End	1090
Name	OJ990517_04.9A01.C44.o1.gs	Method	GENSCAN
Start	64	End	1090
GI	none	Score	.64
Exons	64..106, 179..459, 751..801, 1024..1090		

Seq. No.	15485	Seq. ID	OJ990517_04.9A01.C45
Gene No.	32806	Strand	-
Start	624	End	959
Name	OJ990517_04.9A01.C45.o1.gs	Method	GENSCAN
Start	624	End	959
GI	none	Score	.81
Exons	624..959		

Seq. No.	15486	Seq. ID	OJ990517_04.9A01.C47
Gene No.	32807	Strand	+
Start	125	End	244
Name	OJ990517_04.9A01.C47.o1.gs	Method	GENSCAN
Start	125	End	244
GI	none	Score	.82
Exons	125..244		

Seq. No.	15487	Seq. ID	OJ990517_04.9A01.C48
Gene No.	32808	Strand	-
Start	497	End	622
Name	OJ990517_04.9A01.C48.o1.gs	Method	GENSCAN
Start	497	End	622
GI	none	Score	.78
Exons	497..622		

Seq. No.	15488	Seq. ID	OJ990517_04.9A01.C49
Gene No.	32809	Strand	+
Start	14	End	746

Name	OJ990517_04.9A01.C49.o1.gp	Method	AAT/GAP
Start	14	End	439
GI	43680_1.R1084	Score	784
Exons	14..439		
GI Descrip.	'1272347 6.0e-16 (U51739) secreted glycoprotein 2 [Ipomoea trifida]'		

Seq. No.	15488	Seq. ID	OJ990517_04.9A01.C49
Gene No.	32809	Strand	+
Start	14	End	746
Name	OJ990517_04.9A01.C49.o1.np	Method	AAT/NAP
Start	21	End	746
GI	1272347	Score	303
Exons	21..474, 502..746		
GI Descrip.	(U51739) secreted glycoprotein 2 [Ipomoea trifida]		

Seq. No.	15488	Seq. ID	OJ990517_04.9A01.C49
Gene No.	32809	Strand	+
Start	14	End	746
Name	OJ990517_04.9A01.C49.o1.gs	Method	GENSCAN
Start	42	End	650
GI	none	Score	.72
Exons	42..650		

Seq. No.	15488	Seq. ID	OJ990517_04.9A01.C49
Gene No.	32809	Strand	+
Start	14	End	746
Name	OJ990517_04.9A01.C49.o1.ts	Method	TBLASTX:Soybean
Start	99	End	284
GI	none	Score	187
Exons	99..284, 140..277		

Seq. No.	15489	Seq. ID	OJ990517_04.9A01.C52
Gene No.	32810	Strand	-
Start	17	End	1029
Name	OJ990517_04.9A01.C52.o1.tm	Method	TBLASTX:Maize
Start	1	End	1028
GI	none	Score	729
Exons	1..630, 3..629, 6..635, 14..655, 278..658, 628..1026, 633..1028, 639..1028		

Seq. No.	15489	Seq. ID	OJ990517_04.9A01.C52
Gene No.	32810	Strand	-
Start	17	End	1029
Name	OJ990517_04.9A01.C52.o2.tc	Method	TBLASTX:Cress
Start	3	End	191
GI	none	Score	151
Exons	3..191, 7..177, 9..191		

Seq. No.	15489	Seq. ID	OJ990517_04.9A01.C52
Gene No.	32810	Strand	-
Start	17	End	1029
Name	OJ990517_04.9A01.C52.o1.gs	Method	GENSCAN
Start	17	End	946
GI	none	Score	.75
Exons	17..946		

Seq. No.	15489	Seq. ID	OJ990517_04.9A01.C52
Gene No.	32810	Strand	-
Start	17	End	1029
Name	OJ990517_04.9A01.C52.o1.gp	Method	AAT/GAP
Start	56	End	526
GI	none	Score	858
Exons	56..526		

Seq. No.	15489	Seq. ID	OJ990517_04.9A01.C52
Gene No.	32810	Strand	-
Start	17	End	1029
Name	OJ990517_04.9A01.C52.o1.tw	Method	TBLASTX:Wheat
Start	148	End	576
GI	none	Score	274
Exons	148..417, 148..195, 149..391, 411..575, 413..571, 526..576		150..431, 410..571, 411..569,

Seq. No.	15489	Seq. ID	OJ990517_04.9A01.C52
Gene No.	32810	Strand	-
Start	17	End	1029
Name	OJ990517_04.9A01.C52.o1.ts	Method	TBLASTX:Soybean
Start	420	End	758
GI	none	Score	269
Exons	420..758, 421..753		

Seq. No.	15489	Seq. ID	OJ990517_04.9A01.C52
Gene No.	32810	Strand	-
Start	17	End	1029
Name	OJ990517_04.9A01.C52.o1.tc	Method	TBLASTX:Cress
Start	681	End	1029
GI	none	Score	73
Exons	681..788, 682..780, 741..1025, 790..1029		

Seq. No.	15490	Seq. ID	OJ990517_04.9A01.C53
Gene No.	32811	Strand	+
Start	3509	End	5575
Name	OJ990517_04.9A01.C53.o2.gp	Method	AAT/GAP
Start	3509	End	5575
GI	none	Score	941
Exons	3509..3796, 5262..5423, 5527..5575		

Seq. No.	15490	Seq. ID	OJ990517_04.9A01.C53
Gene No.	32812	Strand	+
Start	5974	End	7707
Name	OJ990517_04.9A01.C53.o3.gs	Method	GENSCAN
Start	5974	End	7707
GI	none	Score	.8
Exons	5974..5998, 6974..7707		

Seq. No.	15490	Seq. ID	OJ990517_04.9A01.C53
Gene No.	32812	Strand	+
Start	5974	End	7707
Name	OJ990517_04.9A01.C53.o3.gp	Method	AAT/GAP
Start	7000	End	7295
GI	3107476	Score	501
Exons	7000..7295		

Seq. No.	15490	Seq. ID	OJ990517_04.9A01.C53
Gene No.	32813	Strand	-
Start	1	End	641
Name	OJ990517_04.9A01.C53.o1.np	Method	AAT/NAP
Start	1	End	453
GI	5123708	Score	141
Exons	1..327, 389..453		
GI Descrip.	(AL079347) RNA helicase (RH16) [Arabidopsis thaliana]		

Seq. No.	15490	Seq. ID	OJ990517_04.9A01.C53
Gene No.	32813	Strand	-
Start	1	End	641
Name	OJ990517_04.9A01.C53.o1.gp	Method	AAT/GAP
Start	282	End	641
GI	426660	Score	686
Exons	282..641		

Seq. No.	15490	Seq. ID	OJ990517_04.9A01.C53
Gene No.	32814	Strand	-
Start	3384	End	5751
Name	OJ990517_04.9A01.C53.o1.tm	Method	TBLASTX:Maize
Start	48	End	649
GI	none	Score	385
Exons	48..257, 53..346, 54..347, 325..435, 343..468, 344..487, 345..473, 480..647, 485..649		

Seq. No.	15490	Seq. ID	OJ990517_04.9A01.C53
Gene No.	32814	Strand	-
Start	3384	End	5751
Name	OJ990517_04.9A01.C53.o1.tc	Method	TBLASTX:Cress
Start	59	End	341
GI	none	Score	206
Exons	59..334, 60..341		

Seq. No.	15490	Seq. ID	OJ990517_04.9A01.C53
Gene No.	32814	Strand	-
Start	3384	End	5751
Name	OJ990517_04.9A01.C53.o2.gs	Method	GENSCAN
Start	3384	End	5251
GI	none	Score	.87
Exons	3384..3987, 5205..5251		

Seq. No.	15490	Seq. ID	OJ990517_04.9A01.C53
Gene No.	32814	Strand	-
Start	3384	End	5751
Name	OJ990517_04.9A01.C53.o2.tm	Method	TBLASTX:Maize
Start	3647	End	5751
GI	none	Score	184
Exons	3647..3787, 3648..3785, 5261..5422, 5305..5421, 5309..5422, 5347..5427, 5524..5589, 5525..5593, 5675..5728, 5679..5735, 5686..5751, 5692..5742		

Seq. No.	15491	Seq. ID	OJ990517_04.9A01.C54
Gene No.	32815	Strand	+
Start	108	End	1780
Name	OJ990517_04.9A01.C54.o1.np	Method	AAT/NAP
Start	108	End	1780

GI	132677	Score	394
Exons	108..310, 350..611, 778..932, 1686..1780		
GI Descrip.	50S RIBOSOMAL PROTEIN L15, CHLOROPLAST PRECURSOR (CL15) gi\|71241\|pir\|\|R5MUL5 ribosomal protein L15 precursor, chloroplast - Arabidopsis thaliana gi\|16497\|emb\|CAA77593\| (Z11508) Plastid ribosomal protein CL15 [Arabidopsis thaliana]		

Seq. No.	15491	Seq. ID	OJ990517_04.9A01.C54
Gene No.	32815	Strand	+
Start	108	End	1780
Name	OJ990517_04.9A01.C54.o1.gp	Method	AAT/GAP
Start	129	End	594
GI	24962_1.R1084	Score	825
Exons	129..594		
GI Descrip.	'400986/sp\|P31165\|RK15_PEA 2.0e-18 50S RIBOSOMAL PROTEIN L15, CHLOROPLAST PRECURSOR (CL15) >gi_81947_pir__S18001 ribosomal protein L15 precursor, chloroplast - garden pea (fragment) >gi_20867_emb_CAA77595_ (Z11510) Plastid ribosomal protein CL15 [Pisum sativum]'		

Seq. No.	15491	Seq. ID	OJ990517_04.9A01.C54
Gene No.	32815	Strand	+
Start	108	End	1780
Name	OJ990517_04.9A01.C54.o1.tm	Method	TBLASTX:Maize
Start	176	End	935
GI	none	Score	96
Exons	176..268, 194..259, 469..612, 470..613, 773..931, 776..799, 811..846, 839..931, 840..935, 849..932		

Seq. No.	15491	Seq. ID	OJ990517_04.9A01.C54
Gene No.	32815	Strand	+
Start	108	End	1780
Name	OJ990517_04.9A01.C54.o1.gs	Method	GENSCAN
Start	195	End	611
GI	none	Score	.99
Exons	195..310, 361..611		

Seq. No.	15491	Seq. ID	OJ990517_04.9A01.C54
Gene No.	32815	Strand	+
Start	108	End	1780
Name	OJ990517_04.9A01.C54.o1.tc	Method	TBLASTX:Cress
Start	469	End	935
GI	none	Score	224
Exons	469..612, 470..613, 836..928, 837..935		

Seq. No.	15491	Seq. ID	OJ990517_04.9A01.C54
Gene No.	32815	Strand	+
Start	108	End	1780
Name	OJ990517_04.9A01.C54.o1.tw	Method	TBLASTX:Wheat
Start	469	End	936
GI	none	Score	245
Exons	469..612, 470..613, 500..613, 776..799, 777..800, 811..846, 812..847, 836..931, 839..925, 840..935, 846..932, 847..936		

Seq. No.	15491	Seq. ID	OJ990517_04.9A01.C54
Gene No.	32815	Strand	+
Start	108	End	1780

Name	OJ990517_04.9A01.C54.o1.ts	Method	TBLASTX:Soybean
Start	469	End	935
GI	none	Score	244
Exons	469..612, 470..613, 506..625,	777..800,	833..931, 846..935

Seq. No.	15492	Seq. ID	OJ990517_04.9A01.C55
Gene No.	32816	Strand	+
Start	390	End	611
Name	OJ990517_04.9A01.C55.o1.gs	Method	GENSCAN
Start	390	End	611
GI	none	Score	.7
Exons	390..611		

Seq. No.	15492	Seq. ID	OJ990517_04.9A01.C55
Gene No.	32816	Strand	+
Start	390	End	611
Name	OJ990517_04.9A01.C55.o1.np	Method	AAT/NAP
Start	390	End	608
GI	400986	Score	192
Exons	390..608		
GI Descrip.	50S RIBOSOMAL PROTEIN L15, CHLOROPLAST PRECURSOR (CL15) gi\|81947\|pir\|\|S18001 ribosomal protein L15 precursor, chloroplast - garden pea (fragment) gi\|20867\|emb\|CAA77595\| (Z11510) Plastid ribosomal protein CL15 [Pisum sativum]		

Seq. No.	15492	Seq. ID	OJ990517_04.9A01.C55
Gene No.	32817	Strand	-
Start	3688	End	3921
Name	OJ990517_04.9A01.C55.o1.tc	Method	TBLASTX:Cress
Start	368	End	593
GI	none	Score	223
Exons	368..589, 375..593		

Seq. No.	15492	Seq. ID	OJ990517_04.9A01.C55
Gene No.	32817	Strand	-
Start	3688	End	3921
Name	OJ990517_04.9A01.C55.o1.tm	Method	TBLASTX:Maize
Start	368	End	657
GI	none	Score	350
Exons	368..643, 375..635, 388..657		

Seq. No.	15492	Seq. ID	OJ990517_04.9A01.C55
Gene No.	32817	Strand	-
Start	3688	End	3921
Name	OJ990517_04.9A01.C55.o1.ts	Method	TBLASTX:Soybean
Start	383	End	584
GI	none	Score	202
Exons	383..571, 390..584		

Seq. No.	15492	Seq. ID	OJ990517_04.9A01.C55
Gene No.	32817	Strand	-
Start	3688	End	3921
Name	OJ990517_04.9A01.C55.o2.gs	Method	GENSCAN
Start	3688	End	3921
GI	none	Score	.96
Exons	3688..3921		

Seq. No.	15493	Seq. ID	OJ990517_04.9A01.C56
Gene No.	32818	Strand	+
Start	1804	End	2811
Name	OJ990517_04.9A01.C56.o1.gp	Method	AAT/GAP
Start	1804	End	2811
GI	3869_1.R1084	Score	1912
Exons	1804..2811		
GI Descrip.	'5001734/gb\|AAD37122.1\|AF129511_1 1.0e-108 (AF129511) very-long-chain fatty acid condensing enzyme CUT1 [Arabidopsis thaliana]'		

Seq. No.	15493	Seq. ID	OJ990517_04.9A01.C56
Gene No.	32819	Strand	+
Start	3121	End	13435
Name	OJ990517_04.9A01.C56.o2.np	Method	AAT/NAP
Start	3121	End	13435
GI	6630699	Score	70
Exons	3121..3238, 3788..3902, 12098..12164, 13406..13435		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	15493	Seq. ID	OJ990517_04.9A01.C56
Gene No.	32819	Strand	+
Start	3121	End	13435
Name	OJ990517_04.9A01.C56.o2.gs	Method	GENSCAN
Start	5776	End	6213
GI	none	Score	.67
Exons	5776..5859, 6067..6213		

Seq. No.	15493	Seq. ID	OJ990517_04.9A01.C56
Gene No.	32820	Strand	+
Start	13563	End	16800
Name	OJ990517_04.9A01.C56.o4.np	Method	AAT/NAP
Start	13563	End	16800
GI	6539570	Score	156
Exons	13563..13669, 13803..13897, 14048..14110, 16778..16800		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	15493	Seq. ID	OJ990517_04.9A01.C56
Gene No.	32821	Strand	-
Start	261	End	5025
Name	OJ990517_04.9A01.C56.o1.gs	Method	GENSCAN
Start	261	End	5025
GI	none	Score	.61
Exons	261..492, 962..1023, 2089..2847, 2941..3915, 4655..4704, 4881..5025		

Seq. No.	15493	Seq. ID	OJ990517_04.9A01.C56
Gene No.	32821	Strand	-
Start	261	End	5025
Name	OJ990517_04.9A01.C56.o1.np	Method	AAT/NAP
Start	2077	End	3651
GI	5001734	Score	2056
Exons	2077..2847, 2941..3651		
GI Descrip.	(AF129511) very-long-chain fatty acid condensing enzyme CUT1 [Arabidopsis thaliana] gi\|6553942\|gb\|AAF16606.1\|AC011915_9		

(AC011915) very-long-chain fatty acid condensing enzyme (CUT1) [Arabidopsis thaliana]

Seq. No.	15493	Seq. ID	OJ990517_04.9A01.C56
Gene No.	32821	Strand	-
Start	261	End	5025
Name	OJ990517_04.9A01.C56.o2.gp	Method	AAT/GAP
Start	3308	End	3819
GI	58768_1.R1084	Score	944
Exons	3308..3819		
GI Descrip.	'5001734/gb\|AAD37122.1\|AF129511_1 8.0e-33 (AF129511) very-long-chain fatty acid condensing enzyme CUT1 [Arabidopsis thaliana]'		

Seq. No.	15493	Seq. ID	OJ990517_04.9A01.C56
Gene No.	32822	Strand	-
Start	10913	End	18275
Name	OJ990517_04.9A01.C56.o1.tw	Method	TBLASTX:Wheat
Start	25	End	2311
GI	none	Score	64
Exons	25..153, 2092..2142, 2134..2310, 2135..2311		

Seq. No.	15493	Seq. ID	OJ990517_04.9A01.C56
Gene No.	32822	Strand	-
Start	10913	End	18275
Name	OJ990517_04.9A01.C56.o2.tc	Method	TBLASTX:Cress
Start	2071	End	2566
GI	none	Score	539
Exons	2071..2565, 2078..2566		

Seq. No.	15493	Seq. ID	OJ990517_04.9A01.C56
Gene No.	32822	Strand	-
Start	10913	End	18275
Name	OJ990517_04.9A01.C56.o1.ts	Method	TBLASTX:Soybean
Start	2095	End	3625
GI	none	Score	239
Exons	2095..2442, 2117..2443, 2446..2850, 2471..2578, 2651..2842, 2935..3198, 2942..2998, 3053..3184, 3239..3307, 3313..3492, 3379..3438, 3544..3624, 3548..3625		

Seq. No.	15493	Seq. ID	OJ990517_04.9A01.C56
Gene No.	32822	Strand	-
Start	10913	End	18275
Name	OJ990517_04.9A01.C56.o1.tm	Method	TBLASTX:Maize
Start	2104	End	16018
GI	none	Score	287
Exons	2104..2439, 2120..2440, 2243..2440, 2446..2829, 2483..2557, 2651..2830, 2923..3198, 2942..2998, 3053..3196, 3230..3307, 3313..3489, 3313..3492, 3539..3625, 3544..3624, 15896..16018		

Seq. No.	15493	Seq. ID	OJ990517_04.9A01.C56
Gene No.	32822	Strand	-
Start	10913	End	18275
Name	OJ990517_04.9A01.C56.o1.tc	Method	TBLASTX:Cress
Start	2566	End	3633
GI	none	Score	120
Exons	2566..2850, 2651..2848, 2938..3312, 2942..3307, 3295..3624,		

3295..3633, 3542..3631

Seq. No.	15493	Seq. ID	OJ990517_04.9A01.C56
Gene No.	32822	Strand	-
Start	10913	End	18275
Name	OJ990517_04.9A01.C56.o2.tw	Method	TBLASTX:Wheat
Start	3110	End	3315
GI	none	Score	145
Exons	3110..3307, 3110..3262, 3112..3315		

Seq. No.	15493	Seq. ID	OJ990517_04.9A01.C56
Gene No.	32822	Strand	-
Start	10913	End	18275
Name	OJ990517_04.9A01.C56.o3.np	Method	AAT/NAP
Start	10913	End	14565
GI	6815109	Score	155
Exons	10913..10945, 13051..13412, 14525..14565		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	15493	Seq. ID	OJ990517_04.9A01.C56
Gene No.	32822	Strand	-
Start	10913	End	18275
Name	OJ990517_04.9A01.C56.o4.gs	Method	GENSCAN
Start	12824	End	18275
GI	none	Score	.43
Exons	12824..12940, 13121..13276, 15360..15376, 16802..16968, 17012..17204, 18095..18275		

Seq. No.	15494	Seq. ID	OJ990517_04.9A01.C58
Gene No.	32823	Strand	-
Start	2317	End	2808
Name	OJ990517_04.9A01.C58.o1.gp	Method	AAT/GAP
Start	2317	End	2808
GI	none	Score	960
Exons	2317..2808		

Seq. No.	15494	Seq. ID	OJ990517_04.9A01.C58
Gene No.	32824	Strand	-
Start	3271	End	3420
Name	OJ990517_04.9A01.C58.o2.gs	Method	GENSCAN
Start	3271	End	3420
GI	none	Score	.6
Exons	3271..3420		

Seq. No.	15495	Seq. ID	OJ990517_04.9A01.C59
Gene No.	32825	Strand	+
Start	1255	End	15507
Name	OJ990517_04.9A01.C59.o1.gs	Method	GENSCAN
Start	1255	End	15037
GI	none	Score	.5
Exons	1255..1496, 1626..1810, 1999..2041, 2490..2624, 3056..3204, 3733..3912, 6440..6568, 8210..8389, 9192..9365, 9726..9927, 10410..10526, 11711..12001, 12627..12781, 13271..13406, 13509..13618, 14490..14668, 14860..15037		

Seq. No.	15495	Seq. ID	OJ990517_04.9A01.C59
Gene No.	32825	Strand	+

Start	1255	End	15507
Name	OJ990517_04.9A01.C59.o1.gp	Method	AAT/GAP
Start	3067	End	3680
GI	none	Score	924
Exons	3067..3404, 3510..3680		

Seq. No.	15495	Seq. ID	OJ990517_04.9A01.C59
Gene No.	32825	Strand	+
Start	1255	End	15507
Name	OJ990517_04.9A01.C59.o2.gp	Method	AAT/GAP
Start	7987	End	9782
GI	2443163	Score	868
Exons	7987..8389, 9726..9782		

Seq. No.	15495	Seq. ID	OJ990517_04.9A01.C59
Gene No.	32825	Strand	+
Start	1255	End	15507
Name	OJ990517_04.9A01.C59.o3.gp	Method	AAT/GAP
Start	9903	End	10471
GI	57218_1.R1084	Score	842
Exons	9903..10001, 10105..10471		
GI Descrip.	'3281853/emb\|CAA19748\| 5.0e-34 (AL031004) putative protein [Arabidopsis thaliana]'		

Seq. No.	15495	Seq. ID	OJ990517_04.9A01.C59
Gene No.	32825	Strand	+
Start	1255	End	15507
Name	OJ990517_04.9A01.C59.o3.np	Method	AAT/NAP
Start	14736	End	15507
GI	6721561	Score	87
Exons	14736..14822, 15439..15507		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	15495	Seq. ID	OJ990517_04.9A01.C59
Gene No.	32825	Strand	+
Start	1255	End	15507
Name	OJ990517_04.9A01.C59.o4.gp	Method	AAT/GAP
Start	15334	End	15444
GI	uC-osflcyp088b12b1	Score	144
Exons	15334..15444		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	15495	Seq. ID	OJ990517_04.9A01.C59
Gene No.	32826	Strand	-
Start	12591	End	15507
Name	OJ990517_04.9A01.C59.o1.np	Method	AAT/NAP
Start	12591	End	15507
GI	6815109	Score	203
Exons	12591..12693, 12732..12911, 12954..13172, 13227..13737, 15361..15507		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	15495	Seq. ID	OJ990517_04.9A01.C59
Gene No.	32826	Strand	-
Start	12591	End	15507
Name	OJ990517_04.9A01.C59.o2.np	Method	AAT/NAP
Start	14614	End	15507
GI	4680183	Score	100
Exons	14614..14705, 15421..15507		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	15496	Seq. ID	OJ990517_04.9A01.C60
Gene No.	32827	Strand	+
Start	1	End	1734
Name	OJ990517_04.9A01.C60.o1.np	Method	AAT/NAP
Start	1	End	1734
GI	6016874	Score	252
Exons	1..38, 429..619, 1659..1734		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	15496	Seq. ID	OJ990517_04.9A01.C60
Gene No.	32828	Strand	-
Start	201	End	1570
Name	OJ990517_04.9A01.C60.o1.gs	Method	GENSCAN
Start	201	End	1570
GI	none	Score	.59
Exons	201..407, 413..673, 1448..1570		

Seq. No.	15497	Seq. ID	OJ990517_04.9A01.C61
Gene No.	32829	Strand	+
Start	216	End	5135
Name	OJ990517_04.9A01.C61.o1.gs	Method	GENSCAN
Start	216	End	5135
GI	none	Score	.77
Exons	216..333, 650..785, 2221..2515, 2909..3052, 3175..3329, 3557..3832, 3918..4042, 4195..4312, 4624..4701, 5118..5135		

Seq. No.	15497	Seq. ID	OJ990517_04.9A01.C61
Gene No.	32830	Strand	+
Start	9835	End	13441
Name	OJ990517_04.9A01.C61.o1.np	Method	AAT/NAP
Start	9820	End	10544
GI	6815052	Score	456
Exons	9820..9988, 10070..10144, 10426..10544		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	15497	Seq. ID	OJ990517_04.9A01.C61
Gene No.	32830	Strand	+
Start	9835	End	13441
Name	OJ990517_04.9A01.C61.o3.gs	Method	GENSCAN
Start	9835	End	12856
GI	none	Score	.43
Exons	9835..10155, 11340..11524, 12065..12181, 12349..12427, 12456..12627, 12660..12856		

Seq. No.	15497	Seq. ID	OJ990517_04.9A01.C61
Gene No.	32830	Strand	+

Start	9835	End	13441
Name	OJ990517_04.9A01.C61.o2.np	Method	AAT/NAP
Start	12457	End	13441
GI	6685161	Score	140
Exons	12457..12630, 13419..13441		
GI Descrip.	(AF219222) homocysteine S-methyltransferase AtHMT-1 [Arabidopsis thaliana]		

Seq. No.	15497	Seq. ID	OJ990517_04.9A01.C61
Gene No.	32831	Strand	-
Start	7448	End	8425
Name	OJ990517_04.9A01.C61.o2.gs	Method	GENSCAN
Start	7448	End	8425
GI	none	Score	.57
Exons	7448..7503, 8335..8425		

Seq. No.	15497	Seq. ID	OJ990517_04.9A01.C61
Gene No.	32832	Strand	
Start	12457	End	12632
Name	OJ990517_04.9A01.C61.o1.tm	Method	TBLASTX:Maize
Start	12457	End	12632
GI	none	Score	241
Exons	12457..12630, 12508..12627, 12576..12632		

Seq. No.	15498	Seq. ID	OJ990517_04.9A01.C62
Gene No.	32833	Strand	+
Start	1	End	1365
Name	OJ990517_04.9A01.C62.o1.np	Method	AAT/NAP
Start	1	End	1331
GI	6685161	Score	794
Exons	1..257, 378..507, 635..838, 949..1020, 1194..1331		
GI Descrip.	(AF219222) homocysteine S-methyltransferase AtHMT-1 [Arabidopsis thaliana]		

Seq. No.	15498	Seq. ID	OJ990517_04.9A01.C62
Gene No.	32833	Strand	+
Start	1	End	1365
Name	OJ990517_04.9A01.C62.o1.tc	Method	TBLASTX:Cress
Start	43	End	486
GI	none	Score	244
Exons	43..255, 51..257, 375..485, 376..486		

Seq. No.	15498	Seq. ID	OJ990517_04.9A01.C62
Gene No.	32833	Strand	+
Start	1	End	1365
Name	OJ990517_04.9A01.C62.o1.ts	Method	TBLASTX:Soybean
Start	43	End	1331
GI	none	Score	96
Exons	43..177, 51..146, 198..254, 199..255, 378..524, 379..507, 631..702, 632..694, 710..820, 769..819, 1172..1210, 1238..1300, 1239..1331		

Seq. No.	15498	Seq. ID	OJ990517_04.9A01.C62
Gene No.	32833	Strand	+
Start	1	End	1365
Name	OJ990517_04.9A01.C62.o1.gs	Method	GENSCAN
Start	82	End	1358

GI	none	Score	1
Exons	82..257, 378..507, 635..838, 949..1020, 1194..1358		

Seq. No.	15498	Seq. ID	OJ990517_04.9A01.C62
Gene No.	32833	Strand	+
Start	1	End	1365
Name	OJ990517_04.9A01.C62.o1.tm	Method	TBLASTX:Maize
Start	222	End	1340
GI	none	Score	60
Exons	222..257, 223..255, 352..507, 375..566, 376..507, 631..837, 632..838, 940..1020, 948..1019, 1193..1333, 1194..1340		

Seq. No.	15498	Seq. ID	OJ990517_04.9A01.C62
Gene No.	32833	Strand	+
Start	1	End	1365
Name	OJ990517_04.9A01.C62.o2.tc	Method	TBLASTX:Cress
Start	632	End	1337
GI	none	Score	203
Exons	632..841, 634..849, 951..1028, 952..1029, 1208..1306, 1209..1337		

Seq. No.	15498	Seq. ID	OJ990517_04.9A01.C62
Gene No.	32833	Strand	+
Start	1	End	1365
Name	OJ990517_04.9A01.C62.o1.tw	Method	TBLASTX:Wheat
Start	640	End	1029
GI	none	Score	193
Exons	640..810, 641..841, 952..1029		

Seq. No.	15498	Seq. ID	OJ990517_04.9A01.C62
Gene No.	32833	Strand	+
Start	1	End	1365
Name	OJ990517_04.9A01.C62.o1.gp	Method	AAT/GAP
Start	752	End	1365
GI	426935	Score	603
Exons	752..838, 949..1020, 1194..1365		
GI Descrip.	6094303/sp\|P56707\|SMTA_ASTBI 1.0e-22 SELENOCYSTEINE METHYLTRANSFERASE (SECYS-METHYLTRANSFERASE) (SECYS-MT) >gi_4006848_emb_CAA10368_ (AJ131433) selenocysteine methyltransferase [Astragalus bisulcatus]		

Seq. No.	15499	Seq. ID	OJ990517_04.9A01.C63
Gene No.	32834	Strand	+
Start	1	End	417
Name	OJ990517_04.9A01.C63.o1.gp	Method	AAT/GAP
Start	1	End	417
GI	426935	Score	453
Exons	1..72, 246..417		
GI Descrip.	6094303/sp\|P56707\|SMTA_ASTBI 1.0e-22 SELENOCYSTEINE METHYLTRANSFERASE (SECYS-METHYLTRANSFERASE) (SECYS-MT) >gi_4006848_emb_CAA10368_ (AJ131433) selenocysteine methyltransferase [Astragalus bisulcatus]		

Seq. No.	15499	Seq. ID	OJ990517_04.9A01.C63
Gene No.	32834	Strand	+
Start	1	End	417
Name	OJ990517_04.9A01.C63.o1.np	Method	AAT/NAP
Start	1	End	383

GI	6685161	Score	241
Exons	1..72, 246..383		
GI Descrip.	(AF219222) homocysteine S-methyltransferase AtHMT-1 [Arabidopsis thaliana]		

Seq. No.	15499	Seq. ID	OJ990517_04.9A01.C63
Gene No.	32835	Strand	+
Start	988	End	1130
Name	OJ990517_04.9A01.C63.o2.gp	Method	AAT/GAP
Start	988	End	1130
GI	uC-osf1cyp089b05a1	Score	232
Exons	988..1130		
GI Descrip.	'6094303/sp\|P56707\|SMTA_ASTBI 1.0e-22 SELENOCYSTEINE METHYLTRANSFERASE (SECYS-METHYLTRANSFERASE) (SECYS-MT) >gi_4006848_emb_CAA10368_ (AJ131433) selenocysteine methyltransferase [Astragalus bisulcatus]'		

Seq. No.	15499	Seq. ID	OJ990517_04.9A01.C63
Gene No.	32836	Strand	-
Start	1309	End	6362
Name	OJ990517_04.9A01.C63.o2.tm	Method	TBLASTX:Maize
Start	1	End	392
GI	none	Score	131
Exons	1..72, 3..71, 245..385, 246..392		

Seq. No.	15499	Seq. ID	OJ990517_04.9A01.C63
Gene No.	32836	Strand	-
Start	1309	End	6362
Name	OJ990517_04.9A01.C63.o1.gs	Method	GENSCAN
Start	1309	End	6362
GI	none	Score	.91
Exons	1309..1575, 2398..2551, 3052..3179, 3808..3930, 4037..4085, 4161..4284, 4475..4678, 4830..5045, 5566..5594, 5921..6218, 6272..6362		

Seq. No.	15499	Seq. ID	OJ990517_04.9A01.C63
Gene No.	32836	Strand	-
Start	1309	End	6362
Name	OJ990517_04.9A01.C63.o3.gp	Method	AAT/GAP
Start	1341	End	2917
GI	none	Score	957
Exons	1341..1575, 2398..2551, 2647..2738, 2835..2917		

Seq. No.	15499	Seq. ID	OJ990517_04.9A01.C63
Gene No.	32836	Strand	-
Start	1309	End	6362
Name	OJ990517_04.9A01.C63.o3.tm	Method	TBLASTX:Maize
Start	1357	End	1530
GI	none	Score	140
Exons	1357..1530, 1391..1528		

Seq. No.	15499	Seq. ID	OJ990517_04.9A01.C63
Gene No.	32836	Strand	-
Start	1309	End	6362
Name	OJ990517_04.9A01.C63.o1.ts	Method	TBLASTX:Soybean
Start	2491	End	2897
GI	none	Score	56

Exons	2491..2556, 2504..2554, 2637..2741, 2645..2710, 2646..2738, 2835..2897		
Seq. No.	15499	Seq. ID	OJ990517_04.9A01.C63
Gene No.	32836	Strand	-
Start	1309	End	6362
Name	OJ990517_04.9A01.C63.o1.tm	Method	TBLASTX:Maize
Start	2503	End	2907
GI	none	Score	74
Exons	2503..2550, 2504..2554, 2647..2739, 2649..2738, 2835..2906, 2836..2907		
Seq. No.	15499	Seq. ID	OJ990517_04.9A01.C63
Gene No.	32836	Strand	-
Start	1309	End	6362
Name	OJ990517_04.9A01.C63.o4.gp	Method	AAT/GAP
Start	4500	End	5011
GI	none	Score	686
Exons	4500..4678, 4830..5011		
Seq. No.	15500	Seq. ID	OJ990517_04.9A01.C64
Gene No.	32837	Strand	-
Start	7	End	248
Name	OJ990517_04.9A01.C64.o1.gs	Method	GENSCAN
Start	7	End	248
GI	none	Score	.86
Exons	7..104, 158..248		
Seq. No.	15501	Seq. ID	OJ990517_04.9A01.C65
Gene No.	32838	Strand	+
Start	213	End	479
Name	OJ990517_04.9A01.C65.o1.gs	Method	GENSCAN
Start	213	End	479
GI	none	Score	.49
Exons	213..479		
Seq. No.	15502	Seq. ID	OJ990517_04.9A01.C68
Gene No.	32839	Strand	+
Start	50	End	226
Name	OJ990517_04.9A01.C68.o1.gs	Method	GENSCAN
Start	50	End	226
GI	none	Score	.59
Exons	50..226		
Seq. No.	15503	Seq. ID	OJ990517_04.9A01.C70
Gene No.	32840	Strand	+
Start	184	End	234
Name	OJ990517_04.9A01.C70.o1.gs	Method	GENSCAN
Start	184	End	234
GI	none	Score	.42
Exons	184..234		
Seq. No.	15504	Seq. ID	OJ990517_04.9A01.C72
Gene No.	32841	Strand	-
Start	259	End	624
Name	OJ990517_04.9A01.C72.o1.gs	Method	GENSCAN
Start	259	End	624

GI	none	Score	.42
Exons	259..454, 494..624		
Seq. No.	15505	Seq. ID	OJ990517_04.9A01.C74
Gene No.	32842	Strand	-
Start	169	End	767
Name	OJ990517_04.9A01.C74.o1.gs	Method	GENSCAN
Start	169	End	767
GI	none	Score	.77
Exons	169..500, 590..767		
Seq. No.	15505	Seq. ID	OJ990517_04.9A01.C74
Gene No.	32842	Strand	-
Start	169	End	767
Name	OJ990517_04.9A01.C74.o1.ts	Method	TBLASTX:Soybean
Start	202	End	762
GI	none	Score	72
Exons	202..267, 256..327, 316..423,	427..501,	585..761, 682..762
Seq. No.	15505	Seq. ID	OJ990517_04.9A01.C74
Gene No.	32842	Strand	-
Start	169	End	767
Name	OJ990517_04.9A01.C74.o1.tm	Method	TBLASTX:Maize
Start	210	End	492
GI	none	Score	101
Exons	210..383, 228..416, 229..420,	229..423,	257..433, 433..492
Seq. No.	15505	Seq. ID	OJ990517_04.9A01.C74
Gene No.	32842	Strand	-
Start	169	End	767
Name	OJ990517_04.9A01.C74.o1.np	Method	AAT/NAP
Start	214	End	767
GI	6016718	Score	243
Exons	214..500, 590..767		
GI Descrip.	(AC009325) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	15506	Seq. ID	OJ990517_04.9A01.C75
Gene No.	32843	Strand	+
Start	285	End	2867
Name	OJ990517_04.9A01.C75.o1.gs	Method	GENSCAN
Start	285	End	2867
GI	none	Score	.58
Exons	285..344, 1040..1159, 1907..2082,	2684..2867	
Seq. No.	15507	Seq. ID	OJ990517_04.9A01.C76
Gene No.	32844	Strand	+
Start	364	End	946
Name	OJ990517_04.9A01.C76.o1.gs	Method	GENSCAN
Start	364	End	946
GI	none	Score	.79
Exons	364..440, 801..946		
Seq. No.	15507	Seq. ID	OJ990517_04.9A01.C76
Gene No.	32845	Strand	-
Start	656	End	949
Name	OJ990517_04.9A01.C76.o1.gp	Method	AAT/GAP
Start	656	End	949

GI	3061201	Score	545
Exons	656..949		

Seq. No.	15508	Seq. ID	OJ990517_04.9A01.C77
Gene No.	32846	Strand	+
Start	347	End	2716
Name	OJ990517_04.9A01.C77.o1.gs	Method	GENSCAN
Start	347	End	2716
GI	none	Score	.83
Exons	347..623, 1080..2336, 2418..2445, 2554..2716		

Seq. No.	15508	Seq. ID	OJ990517_04.9A01.C77
Gene No.	32846	Strand	+
Start	347	End	2716
Name	OJ990517_04.9A01.C77.o1.np	Method	AAT/NAP
Start	1022	End	2341
GI	4220485	Score	1648
Exons	1022..2341		
GI Descrip.	(AC006069) putative beta-1,3-glucanase [Arabidopsis thaliana]		

Seq. No.	15508	Seq. ID	OJ990517_04.9A01.C77
Gene No.	32846	Strand	+
Start	347	End	2716
Name	OJ990517_04.9A01.C77.o2.gp	Method	AAT/GAP
Start	1413	End	1891
GI	LIB3434-027-P1-K1-G10	Score	890
Exons	1413..1891		
GI Descrip.	'4220485 2.0e-51 (AC006069) putative beta-1,3-glucanase [Arabidopsis thaliana]'		

Seq. No.	15508	Seq. ID	OJ990517_04.9A01.C77
Gene No.	32847	Strand	+
Start	6771	End	9495
Name	OJ990517_04.9A01.C77.o3.gp	Method	AAT/GAP
Start	6743	End	7168
GI	43680_1.R1084	Score	784
Exons	6743..7168		
GI Descrip.	'1272347 6.0e-16 (U51739) secreted glycoprotein 2 [Ipomoea trifida]'		

Seq. No.	15508	Seq. ID	OJ990517_04.9A01.C77
Gene No.	32847	Strand	+
Start	6771	End	9495
Name	OJ990517_04.9A01.C77.o2.np	Method	AAT/NAP
Start	6762	End	9339
GI	3176715	Score	1604
Exons	6762..7178, 7206..9339		
GI Descrip.	(AC002392) putative receptor-like protein kinase [Arabidopsis thaliana]		

Seq. No.	15508	Seq. ID	OJ990517_04.9A01.C77
Gene No.	32847	Strand	+
Start	6771	End	9495
Name	OJ990517_04.9A01.C77.o3.gs	Method	GENSCAN
Start	6771	End	9302
GI	none	Score	1
Exons	6771..9302		

Seq. No.	15508	Seq. ID	OJ990517_04.9A01.C77
Gene No.	32847	Strand	+
Start	6771	End	9495
Name	OJ990517_04.9A01.C77.o4.gp	Method	AAT/GAP
Start	8841	End	9495
GI	70408_1.R1084	Score	1228
Exons	8841..9495		
GI Descrip.	'3445397/emb\|CAA09029.1\| 4.0e-19 (AJ010166) S-domain receptor-like protein kinase [Zea mays]'		

Seq. No.	15508	Seq. ID	OJ990517_04.9A01.C77
Gene No.	32848	Strand	-
Start	1065	End	1218
Name	OJ990517_04.9A01.C77.o1.gp	Method	AAT/GAP
Start	1065	End	1218
GI	3061201	Score	244
Exons	1065..1218		

Seq. No.	15508	Seq. ID	OJ990517_04.9A01.C77
Gene No.	32849	Strand	-
Start	3233	End	6093
Name	OJ990517_04.9A01.C77.o2.tw	Method	TBLASTX:Wheat
Start	1046	End	1485
GI	none	Score	243
Exons	1046..1375, 1075..1374, 1378..1485		

Seq. No.	15508	Seq. ID	OJ990517_04.9A01.C77
Gene No.	32849	Strand	-
Start	3233	End	6093
Name	OJ990517_04.9A01.C77.o4.tm	Method	TBLASTX:Maize
Start	1075	End	1204
GI	none	Score	209
Exons	1075..1179, 1079..1204		

Seq. No.	15508	Seq. ID	OJ990517_04.9A01.C77
Gene No.	32849	Strand	-
Start	3233	End	6093
Name	OJ990517_04.9A01.C77.o1.ts	Method	TBLASTX:Soybean
Start	1085	End	2641
GI	none	Score	926
Exons	1085..1831, 1087..1830, 1838..2338, 1888..2337, 2396..2443, 2558..2641		

Seq. No.	15508	Seq. ID	OJ990517_04.9A01.C77
Gene No.	32849	Strand	-
Start	3233	End	6093
Name	OJ990517_04.9A01.C77.o2.tc	Method	TBLASTX:Cress
Start	1087	End	1543
GI	none	Score	400
Exons	1087..1413, 1088..1429, 1445..1543		

Seq. No.	15508	Seq. ID	OJ990517_04.9A01.C77
Gene No.	32849	Strand	-
Start	3233	End	6093
Name	OJ990517_04.9A01.C77.o1.tm	Method	TBLASTX:Maize
Start	1301	End	2296

GI	none	Score	1595
Exons	1301..2296, 1303..2295		
Seq. No.	15508	Seq. ID	OJ990517_04.9A01.C77
Gene No.	32849	Strand	-
Start	3233	End	6093
Name	OJ990517_04.9A01.C77.o4.tc	Method	TBLASTX:Cress
Start	1550	End	1798
GI	none	Score	250
Exons	1550..1798, 1570..1797		
Seq. No.	15508	Seq. ID	OJ990517_04.9A01.C77
Gene No.	32849	Strand	-
Start	3233	End	6093
Name	OJ990517_04.9A01.C77.o3.tc	Method	TBLASTX:Cress
Start	1798	End	2338
GI	none	Score	43
Exons	1798..1836, 1799..1837, 1853..2062, 1891..1941, 2138..2338		
Seq. No.	15508	Seq. ID	OJ990517_04.9A01.C77
Gene No.	32849	Strand	-
Start	3233	End	6093
Name	OJ990517_04.9A01.C77.o5.tm	Method	TBLASTX:Maize
Start	2557	End	2709
GI	none	Score	138
Exons	2557..2709, 2558..2653		
Seq. No.	15508	Seq. ID	OJ990517_04.9A01.C77
Gene No.	32849	Strand	-
Start	3233	End	6093
Name	OJ990517_04.9A01.C77.o2.gs	Method	GENSCAN
Start	3233	End	6093
GI	none	Score	.7
Exons	3233..3511, 4655..4927, 5628..5680, 6003..6093		
Seq. No.	15508	Seq. ID	OJ990517_04.9A01.C77
Gene No.	32850	Strand	
Start	6828	End	9284
Name	OJ990517_04.9A01.C77.o5.ts	Method	TBLASTX:Soybean
Start	6828	End	7013
GI	none	Score	187
Exons	6828..7013, 6869..7006		
Seq. No.	15508	Seq. ID	OJ990517_04.9A01.C77
Gene No.	32850	Strand	
Start	6828	End	9284
Name	OJ990517_04.9A01.C77.o2.tm	Method	TBLASTX:Maize
Start	6844	End	9284
GI	none	Score	510
Exons	6844..6960, 8609..8932, 8610..8954, 8943..9221, 8970..9233, 9058..9234, 9224..9283, 9225..9284		
Seq. No.	15508	Seq. ID	OJ990517_04.9A01.C77
Gene No.	32850	Strand	
Start	6828	End	9284
Name	OJ990517_04.9A01.C77.o1.tc	Method	TBLASTX:Cress
Start	6866	End	9206

GI	none	Score	98
Exons	6866..6913, 6927..7058, 6941..7057, 7245..7286, 7329..7379, 7404..7502, 7584..7820, 7878..7970, 8300..8368, 8375..8572, 8376..8561, 8610..8930, 8612..8929, 8973..9206, 9080..9187		

Seq. No.	15508	Seq. ID	OJ990517_04.9A01.C77
Gene No.	32850	Strand	
Start	6828	End	9284
Name	OJ990517_04.9A01.C77.o4.ts	Method	TBLASTX:Soybean
Start	7248	End	7781
GI	none	Score	99
Exons	7248..7424, 7416..7493, 7605..7781		

Seq. No.	15508	Seq. ID	OJ990517_04.9A01.C77
Gene No.	32850	Strand	
Start	6828	End	9284
Name	OJ990517_04.9A01.C77.o3.tw	Method	TBLASTX:Wheat
Start	7644	End	8009
GI	none	Score	163
Exons	7644..7832, 7664..7831, 7905..8009, 7916..8008		

Seq. No.	15508	Seq. ID	OJ990517_04.9A01.C77
Gene No.	32850	Strand	
Start	6828	End	9284
Name	OJ990517_04.9A01.C77.o2.ts	Method	TBLASTX:Soybean
Start	8223	End	8738
GI	none	Score	373
Exons	8223..8579, 8240..8563, 8591..8728, 8610..8738		

Seq. No.	15508	Seq. ID	OJ990517_04.9A01.C77
Gene No.	32850	Strand	
Start	6828	End	9284
Name	OJ990517_04.9A01.C77.o3.tm	Method	TBLASTX:Maize
Start	8268	End	8582
GI	none	Score	101
Exons	8268..8390, 8300..8389, 8375..8575, 8376..8582		

Seq. No.	15508	Seq. ID	OJ990517_04.9A01.C77
Gene No.	32850	Strand	
Start	6828	End	9284
Name	OJ990517_04.9A01.C77.o1.tw	Method	TBLASTX:Wheat
Start	8436	End	8873
GI	none	Score	114
Exons	8436..8564, 8471..8572, 8592..8810, 8615..8785, 8811..8873		

Seq. No.	15508	Seq. ID	OJ990517_04.9A01.C77
Gene No.	32850	Strand	
Start	6828	End	9284
Name	OJ990517_04.9A01.C77.o3.ts	Method	TBLASTX:Soybean
Start	8745	End	9188
GI	none	Score	44
Exons	8745..8780, 8801..8929, 8802..8930, 9045..9188		

Seq. No.	15509	Seq. ID	OJ990517_04.9A01.C78
Gene No.	32851	Strand	-
Start	433	End	668
Name	OJ990517_04.9A01.C78.o1.gs	Method	GENSCAN

Start	433	End	668
GI	none	Score	.41
Exons	433..516, 549..668		

Seq. No.	15510	Seq. ID	OJ990517_04.9A01.C79
Gene No.	32852	Strand	-
Start	69	End	421
Name	OJ990517_04.9A01.C79.o1.gp	Method	AAT/GAP
Start	69	End	421
GI	none	Score	620
Exons	69..421		

Seq. No.	15510	Seq. ID	OJ990517_04.9A01.C79
Gene No.	32852	Strand	-
Start	69	End	421
Name	OJ990517_04.9A01.C79.o1.gs	Method	GENSCAN
Start	211	End	309
GI	none	Score	.43
Exons	211..309		

Seq. No.	15511	Seq. ID	OJ990517_04.9A01.C83
Gene No.	32853	Strand	+
Start	3	End	160
Name	OJ990517_04.9A01.C83.o1.gs	Method	GENSCAN
Start	3	End	160
GI	none	Score	.99
Exons	3..160		

Seq. No.	15511	Seq. ID	OJ990517_04.9A01.C83
Gene No.	32854	Strand	-
Start	121	End	310
Name	OJ990517_04.9A01.C83.o1.gp	Method	AAT/GAP
Start	121	End	310
GI	11732_1.R1084	Score	360
Exons	121..310		
GI Descrip.	'4101703 1.0e-103 (AF006078) glucose acyltransferase [Solanum berthaultii]'		

Seq. No.	15512	Seq. ID	OJ990517_04.9A01.C84
Gene No.	32855	Strand	+
Start	53	End	127
Name	OJ990517_04.9A01.C84.o1.gs	Method	GENSCAN
Start	53	End	127
GI	none	Score	.5
Exons	53..127		

Seq. No.	15513	Seq. ID	OJ990517_04.9A01.C85
Gene No.	32856	Strand	-
Start	145	End	320
Name	OJ990517_04.9A01.C85.o1.gs	Method	GENSCAN
Start	145	End	320
GI	none	Score	.74
Exons	145..320		

Seq. No.	15514	Seq. ID	OJ990517_04.9A01.C86
Gene No.	32857	Strand	-
Start	58	End	292

Name	OJ990517_04.9A01.C86.o1.gp	Method	AAT/GAP
Start	58	End	292
GI	none	Score	412
Exons	58..292		

Seq. No.	15514	Seq. ID	OJ990517_04.9A01.C86
Gene No.	32858	Strand	-
Start	255	End	278
Name	OJ990517_04.9A01.C86.o1.gs	Method	GENSCAN
Start	255	End	278
GI	none	Score	.44
Exons	255..278		

Seq. No.	15515	Seq. ID	OJ990517_04.9A01.C88
Gene No.	32859	Strand	+
Start	1	End	1428
Name	OJ990517_04.9A01.C88.o1.np	Method	AAT/NAP
Start	1	End	1428
GI	6685161	Score	409
Exons	1..61, 634..700, 806..1011, 1132..1428		
GI Descrip.	(AF219222) homocysteine S-methyltransferase AtHMT-1 [Arabidopsis thaliana]		

Seq. No.	15515	Seq. ID	OJ990517_04.9A01.C88
Gene No.	32859	Strand	+
Start	1	End	1428
Name	OJ990517_04.9A01.C88.o1.tc	Method	TBLASTX:Cress
Start	637	End	1240
GI	none	Score	56
Exons	637..693, 641..676, 797..1009, 805..1011, 964..1011, 1129..1239, 1130..1240		

Seq. No.	15515	Seq. ID	OJ990517_04.9A01.C88
Gene No.	32859	Strand	+
Start	1	End	1428
Name	OJ990517_04.9A01.C88.o1.tm	Method	TBLASTX:Maize
Start	641	End	1320
GI	none	Score	49
Exons	641..676, 797..1009, 805..1017, 886..1011, 1129..1320, 1130..1261		

Seq. No.	15515	Seq. ID	OJ990517_04.9A01.C88
Gene No.	32859	Strand	+
Start	1	End	1428
Name	OJ990517_04.9A01.C88.o1.ts	Method	TBLASTX:Soybean
Start	641	End	1278
GI	none	Score	43
Exons	641..676, 797..931, 805..900, 952..1008, 953..1009, 1132..1278, 1133..1261		

Seq. No.	15515	Seq. ID	OJ990517_04.9A01.C88
Gene No.	32859	Strand	+
Start	1	End	1428
Name	OJ990517_04.9A01.C88.o1.gs	Method	GENSCAN
Start	644	End	1261
GI	none	Score	.82
Exons	644..700, 806..1011, 1132..1261		

Seq. No.	15516	Seq. ID	OJ990517_04.9A01.C89
Gene No.	32860	Strand	+
Start	649	End	723
Name	OJ990517_04.9A01.C89.o1.gp	Method	AAT/GAP
Start	649	End	723
GI	none	Score	133
Exons	649..723		

Seq. No.	15517	Seq. ID	OJ990517_04.9A01.C90
Gene No.	32861	Strand	-
Start	4	End	180
Name	OJ990517_04.9A01.C90.o1.gs	Method	GENSCAN
Start	4	End	180
GI	none	Score	.88
Exons	4..180		

Seq. No.	15518	Seq. ID	OJ990727_06.9A18.C1
Gene No.	32862	Strand	+
Start	3465	End	3640
Name	OJ990727_06.9A18.C1.o1.gp	Method	AAT/GAP
Start	3465	End	3640
GI	2800454	Score	242
Exons	3465..3640		

Seq. No.	15518	Seq. ID	OJ990727_06.9A18.C1
Gene No.	32863	Strand	+
Start	5109	End	9944
Name	OJ990727_06.9A18.C1.o2.gs	Method	GENSCAN
Start	5109	End	9641
GI	none	Score	.73
Exons	5109..6121, 6651..6730, 7230..7670, 9553..9641		

Seq. No.	15518	Seq. ID	OJ990727_06.9A18.C1
Gene No.	32863	Strand	+
Start	5109	End	9944
Name	OJ990727_06.9A18.C1.o2.np	Method	AAT/NAP
Start	5509	End	9944
GI	5107823	Score	169
Exons	5509..5534, 7247..7615, 9892..9944		
GI Descrip.	(AF149413) contains similarity to leucine rich repeats (Pfam PF00560, Score=225.3, E=9.2e-64, N=12); may be a pseudogene [Arabidopsis thaliana]		

Seq. No.	15518	Seq. ID	OJ990727_06.9A18.C1
Gene No.	32864	Strand	-
Start	415	End	3433
Name	OJ990727_06.9A18.C1.o1.gs	Method	GENSCAN
Start	415	End	3433
GI	none	Score	.8
Exons	415..486, 686..889, 1202..1401, 1864..3433		

Seq. No.	15518	Seq. ID	OJ990727_06.9A18.C1
Gene No.	32865	Strand	-
Start	5640	End	15754
Name	OJ990727_06.9A18.C1.o1.tm	Method	TBLASTX:Maize
Start	2	End	343

GI	none	Score	83
Exons	2..343, 6..236, 255..302		

Seq. No.	15518	Seq. ID	OJ990727_06.9A18.C1
Gene No.	32865	Strand	-
Start	5640	End	15754
Name	OJ990727_06.9A18.C1.o1.tw	Method	TBLASTX:Wheat
Start	5	End	472
GI	none	Score	146
Exons	5..196, 236..472		

Seq. No.	15518	Seq. ID	OJ990727_06.9A18.C1
Gene No.	32865	Strand	-
Start	5640	End	15754
Name	OJ990727_06.9A18.C1.o3.np	Method	AAT/NAP
Start	5640	End	15754
GI	4680184	Score	344
Exons	5640..5712, 8719..8919, 12270..12832, 12889..13091, 13136..13293, 15714..15754		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	15518	Seq. ID	OJ990727_06.9A18.C1
Gene No.	32865	Strand	-
Start	5640	End	15754
Name	OJ990727_06.9A18.C1.o1.tc	Method	TBLASTX:Cress
Start	7229	End	7606
GI	none	Score	49
Exons	7229..7330, 7235..7330, 7247..7330, 7256..7330, 7346..7561, 7349..7606, 7355..7531, 7358..7561, 7358..7492, 7361..7507, 7370..7564, 7370..7567, 7385..7567, 7385..7561		

Seq. No.	15518	Seq. ID	OJ990727_06.9A18.C1
Gene No.	32865	Strand	-
Start	5640	End	15754
Name	OJ990727_06.9A18.C1.o2.tm	Method	TBLASTX:Maize
Start	7246	End	7605
GI	none	Score	67
Exons	7246..7323, 7247..7330, 7301..7330, 7337..7576, 7358..7561, 7370..7552, 7372..7605, 7382..7564, 7384..7482, 7531..7563		

Seq. No.	15518	Seq. ID	OJ990727_06.9A18.C1
Gene No.	32865	Strand	-
Start	5640	End	15754
Name	OJ990727_06.9A18.C1.o2.gp	Method	AAT/GAP
Start	9081	End	9191
GI	uC-osflcyp088b12b1	Score	154
Exons	9081..9191		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	15518	Seq. ID	OJ990727_06.9A18.C1
Gene No.	32865	Strand	-
Start	5640	End	15754
Name	OJ990727_06.9A18.C1.o3.gp	Method	AAT/GAP
Start	10303	End	10383
GI	LIB3434-017-P1-K1-F5	Score	88
Exons	10303..10383		

GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 5.0e-20 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	15518	Seq. ID	OJ990727_06.9A18.C1
Gene No.	32865	Strand	-
Start	5640	End	15754
Name	OJ990727_06.9A18.C1.o3.gs	Method	GENSCAN
Start	10623	End	12749
GI	none	Score	.49
Exons	10623..10784, 10941..11518, 11657..11846, 12270..12471, 12607..12749		
Seq. No.	15518	Seq. ID	OJ990727_06.9A18.C1
Gene No.	32865	Strand	-
Start	5640	End	15754
Name	OJ990727_06.9A18.C1.o4.np	Method	AAT/NAP
Start	12303	End	14630
GI	6069653	Score	135
Exons	12303..13089, 14591..14630		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		
Seq. No.	15519	Seq. ID	OJ990727_06.9A18.C2
Gene No.	32866	Strand	+
Start	479	End	9741
Name	OJ990727_06.9A18.C2.o1.gs	Method	GENSCAN
Start	479	End	2652
GI	none	Score	.47
Exons	479..811, 1543..2652		
Seq. No.	15519	Seq. ID	OJ990727_06.9A18.C2
Gene No.	32866	Strand	+
Start	479	End	9741
Name	OJ990727_06.9A18.C2.o1.np	Method	AAT/NAP
Start	1193	End	9692
GI	2735017	Score	787
Exons	1193..1270, 6775..6943, 7151..7361, 8014..8251, 8715..8865, 9379..9692		
GI Descrip.	(U82481) KI domain interacting kinase 1 [Zea mays]		
Seq. No.	15519	Seq. ID	OJ990727_06.9A18.C2
Gene No.	32866	Strand	+
Start	479	End	9741
Name	OJ990727_06.9A18.C2.o1.gp	Method	AAT/GAP
Start	2563	End	2764
GI	2796366	Score	391
Exons	2563..2764		
Seq. No.	15519	Seq. ID	OJ990727_06.9A18.C2
Gene No.	32866	Strand	+
Start	479	End	9741
Name	OJ990727_06.9A18.C2.o2.gs	Method	GENSCAN
Start	4848	End	9741
GI	none	Score	.96
Exons	4848..5679, 6516..6626, 6750..6947, 7068..7099, 7151..7361, 8014..8251, 8715..8865, 9379..9741		
Seq. No.	15519	Seq. ID	OJ990727_06.9A18.C2

Gene No.	32867	Strand	+
Start	14082	End	14423
Name	OJ990727_06.9A18.C2.o4.gs	Method	GENSCAN
Start	14082	End	14423
GI	none	Score	.99
Exons	14082..14423		

Seq. No.	15519	Seq. ID	OJ990727_06.9A18.C2
Gene No.	32868	Strand	+
Start	14726	End	14831
Name	OJ990727_06.9A18.C2.o3.gp	Method	AAT/GAP
Start	14726	End	14831
GI	5816518	Score	153
Exons	14726..14831		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	15519	Seq. ID	OJ990727_06.9A18.C2
Gene No.	32869	Strand	+
Start	16215	End	16385
Name	OJ990727_06.9A18.C2.o5.gs	Method	GENSCAN
Start	16215	End	16385
GI	none	Score	.95
Exons	16215..16385		

Seq. No.	15519	Seq. ID	OJ990727_06.9A18.C2
Gene No.	32870	Strand	-
Start	11634	End	12221
Name	OJ990727_06.9A18.C2.o3.gs	Method	GENSCAN
Start	11634	End	12221
GI	none	Score	.55
Exons	11634..11855, 12075..12221		

Seq. No.	15519	Seq. ID	OJ990727_06.9A18.C2
Gene No.	32871	Strand	-
Start	14489	End	14717
Name	OJ990727_06.9A18.C2.o2.gp	Method	AAT/GAP
Start	14489	End	14717
GI	3761181	Score	335
Exons	14489..14717		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	15519	Seq. ID	OJ990727_06.9A18.C2
Gene No.	32872	Strand	-
Start	16231	End	19813
Name	OJ990727_06.9A18.C2.o1.tm	Method	TBLASTX:Maize
Start	7145	End	8249
GI	none	Score	325
Exons	7145..7360, 7148..7360, 7149..7361, 7171..7362, 8013..8249, 8013..8243		

Seq. No.	15519	Seq. ID	OJ990727_06.9A18.C2
Gene No.	32872	Strand	-
Start	16231	End	19813
Name	OJ990727_06.9A18.C2.o1.tc	Method	TBLASTX:Cress
Start	7202	End	8249

GI	none	Score	207
Exons	7202..7360, 7208..7360, 8013..8249, 8034..8228, 8174..8248		

Seq. No.	15519	Seq. ID	OJ990727_06.9A18.C2
Gene No.	32872	Strand	-
Start	16231	End	19813
Name	OJ990727_06.9A18.C2.o1.tw	Method	TBLASTX:Wheat
Start	7283	End	8243
GI	none	Score	121
Exons	7283..7360, 7302..7364, 8001..8243, 8033..8242		

Seq. No.	15519	Seq. ID	OJ990727_06.9A18.C2
Gene No.	32872	Strand	-
Start	16231	End	19813
Name	OJ990727_06.9A18.C2.o1.ts	Method	TBLASTX:Soybean
Start	7286	End	8817
GI	none	Score	88
Exons	7286..7360, 8013..8249, 8034..8246, 8715..8780, 8716..8817		

Seq. No.	15519	Seq. ID	OJ990727_06.9A18.C2
Gene No.	32872	Strand	-
Start	16231	End	19813
Name	OJ990727_06.9A18.C2.o2.tm	Method	TBLASTX:Maize
Start	8715	End	9609
GI	none	Score	227
Exons	8715..8780, 8716..8865, 8716..8865, 9358..9432, 9454..9609, 9459..9554		

Seq. No.	15519	Seq. ID	OJ990727_06.9A18.C2
Gene No.	32872	Strand	-
Start	16231	End	19813
Name	OJ990727_06.9A18.C2.o2.np	Method	AAT/NAP
Start	16231	End	19813
GI	5091513	Score	2146
Exons	16231..16543, 17228..18238, 18894..19813		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	15519	Seq. ID	OJ990727_06.9A18.C2
Gene No.	32872	Strand	-
Start	16231	End	19813
Name	OJ990727_06.9A18.C2.o6.gs	Method	GENSCAN
Start	17074	End	19809
GI	none	Score	.9
Exons	17074..17501, 17556..18207, 18988..19809		

Seq. No.	15520	Seq. ID	OJ990727_06.9A18.C3
Gene No.	32873	Strand	+
Start	1274	End	3430
Name	OJ990727_06.9A18.C3.o2.gs	Method	GENSCAN
Start	1274	End	3430
GI	none	Score	.82
Exons	1274..1466, 1603..1716, 2696..2862, 3275..3430		

Seq. No.	15520	Seq. ID	OJ990727_06.9A18.C3
Gene No.	32874	Strand	+
Start	11961	End	12506
Name	OJ990727_06.9A18.C3.o5.gs	Method	GENSCAN

Start	11961	End	12506
GI	none	Score	.97
Exons	11961..12506		

Seq. No.	15520	Seq. ID	OJ990727_06.9A18.C3
Gene No.	32875	Strand	+
Start	34642	End	37509
Name	OJ990727_06.9A18.C3.o8.gs	Method	GENSCAN
Start	34642	End	37509
GI	none	Score	.59
Exons	34642..34695, 37198..37509		

Seq. No.	15520	Seq. ID	OJ990727_06.9A18.C3
Gene No.	32875	Strand	+
Start	34642	End	37509
Name	OJ990727_06.9A18.C3.o5.gp	Method	AAT/GAP
Start	36807	End	37118
GI	72524_1.R1084	Score	420
Exons	36807..37118		
GI Descrip.	'5091496/dbj\|AB023482.2\|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	15520	Seq. ID	OJ990727_06.9A18.C3
Gene No.	32876	Strand	+
Start	43306	End	48477
Name	OJ990727_06.9A18.C3.o4.np	Method	AAT/NAP
Start	42927	End	48477
GI	3021270	Score	1143
Exons	42927..43026, 43415..44130, 47038..47222, 47304..47514, 47602..47839, 47922..48072, 48175..48477		
GI Descrip.	(AL022347) serine/threonine kinase-like protein [Arabidopsis thaliana]		

Seq. No.	15520	Seq. ID	OJ990727_06.9A18.C3
Gene No.	32876	Strand	+
Start	43306	End	48477
Name	OJ990727_06.9A18.C3.o11.gs	Method	GENSCAN
Start	43306	End	48459
GI	none	Score	.9
Exons	43306..44176, 47092..47222, 47304..47514, 47602..47839, 47922..48072, 48175..48459		

Seq. No.	15520	Seq. ID	OJ990727_06.9A18.C3
Gene No.	32877	Strand	+
Start	48860	End	51221
Name	OJ990727_06.9A18.C3.o5.np	Method	AAT/NAP
Start	48860	End	51221
GI	5922634	Score	139
Exons	48860..48959, 51096..51221		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016867\|dbj\|BAA85210.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	15520	Seq. ID	OJ990727_06.9A18.C3
Gene No.	32877	Strand	+
Start	48860	End	51221
Name	OJ990727_06.9A18.C3.o6.np	Method	AAT/NAP

Start	49197	End	49318
GI	6815099	Score	71
Exons	49197..49318		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	15520	Seq. ID	OJ990727_06.9A18.C3
Gene No.	32878	Strand	+
Start	53351	End	53776
Name	OJ990727_06.9A18.C3.o9.gp	Method	AAT/GAP
Start	53351	End	53776
GI	4878407	Score	679
Exons	53351..53776		
GI Descrip.	6069643/dbj\|AP000616.1\|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	15520	Seq. ID	OJ990727_06.9A18.C3
Gene No.	32879	Strand	-
Start	1	End	32765
Name	OJ990727_06.9A18.C3.o1.np	Method	AAT/NAP
Start	1	End	32027
GI	5091513	Score	778
Exons	1..530, 18584..18646, 31951..32027		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	15520	Seq. ID	OJ990727_06.9A18.C3
Gene No.	32879	Strand	-
Start	1	End	32765
Name	OJ990727_06.9A18.C3.o2.np	Method	AAT/NAP
Start	1	End	27204
GI	5734709	Score	259
Exons	1..27, 3527..3576, 13449..13635, 13697..13836, 22260..22777, 27157..27204		
GI Descrip.	(AC008075) Contains PF\|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	15520	Seq. ID	OJ990727_06.9A18.C3
Gene No.	32879	Strand	-
Start	1	End	32765
Name	OJ990727_06.9A18.C3.o1.gs	Method	GENSCAN
Start	204	End	900
GI	none	Score	.47
Exons	204..579, 877..900		

Seq. No.	15520	Seq. ID	OJ990727_06.9A18.C3
Gene No.	32879	Strand	-
Start	1	End	32765
Name	OJ990727_06.9A18.C3.o1.gp	Method	AAT/GAP
Start	967	End	1195
GI	3761181	Score	335
Exons	967..1195		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	15520	Seq. ID	OJ990727_06.9A18.C3
Gene No.	32879	Strand	-
Start	1	End	32765
Name	OJ990727_06.9A18.C3.o2.gp	Method	AAT/GAP

Start	1203	End	1309
GI	5816518	Score	145
Exons	1203..1309		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	15520	Seq. ID	OJ990727_06.9A18.C3
Gene No.	32879	Strand	-
Start	1	End	32765
Name	OJ990727_06.9A18.C3.o3.gs	Method	GENSCAN
Start	3969	End	7556
GI	none	Score	.77
Exons	3969..4142, 4722..4876, 5536..5864, 5922..6171, 6264..6411, 6496..6628, 7474..7556		

Seq. No.	15520	Seq. ID	OJ990727_06.9A18.C3
Gene No.	32879	Strand	-
Start	1	End	32765
Name	OJ990727_06.9A18.C3.o7.gs	Method	GENSCAN
Start	16873	End	32765
GI	none	Score	.68
Exons	16873..16938, 17478..17516, 17941..18103, 18270..18440, 18523..19355, 19437..19898, 19977..20165, 20278..20566, 20800..20936, 22171..22287, 22358..22400, 22821..22863, 22892..22902, 22955..23047, 23387..23825, 23928..24670, 24946..25200, 26289..26503, 26565..27227, 27411..27498, 27542..27638, 27985..30093, 30183..31239, 31526..31584, 31657..31773, 31779..31836, 32378..32489, 32542..32765		

Seq. No.	15520	Seq. ID	OJ990727_06.9A18.C3
Gene No.	32879	Strand	-
Start	1	End	32765
Name	OJ990727_06.9A18.C3.o3.gp	Method	AAT/GAP
Start	17579	End	18114
GI	LIB3431-001-P1-N1-B5	Score	695
Exons	17579..17826, 17932..18114		
GI Descrip.	'4680203/gb\|AAD27566.1\|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		

Seq. No.	15520	Seq. ID	OJ990727_06.9A18.C3
Gene No.	32879	Strand	-
Start	1	End	32765
Name	OJ990727_06.9A18.C3.o4.gp	Method	AAT/GAP
Start	27849	End	29275
GI	5002953	Score	1194
Exons	27849..27996, 28476..28885, 29144..29275		
GI Descrip.	4680203/gb\|AAD27566.1\|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	15520	Seq. ID	OJ990727_06.9A18.C3
Gene No.	32879	Strand	-
Start	1	End	32765
Name	OJ990727_06.9A18.C3.o3.np	Method	AAT/NAP
Start	27929	End	31239
GI	4680203	Score	2044
Exons	27929..28870, 29147..29377, 29531..29623, 29666..31239		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	15520	Seq. ID	OJ990727_06.9A18.C3
Gene No.	32880	Strand	-
Start	40329	End	40680
Name	OJ990727_06.9A18.C3.o10.gs	Method	GENSCAN
Start	40329	End	40680
GI	none	Score	.57
Exons	40329..40411, 40551..40680		

Seq. No.	15520	Seq. ID	OJ990727_06.9A18.C3
Gene No.	32881	Strand	-
Start	42255	End	42568
Name	OJ990727_06.9A18.C3.o6.gp	Method	AAT/GAP
Start	42255	End	42568
GI	72524_1.R1084	Score	431
Exons	42255..42568		
GI Descrip.	'5091496/dbj\|AB023482.2\|AB023482 3.0e-84 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	15520	Seq. ID	OJ990727_06.9A18.C3
Gene No.	32882	Strand	-
Start	44030	End	48425
Name	OJ990727_06.9A18.C3.o4.ts	Method	TBLASTX:Soybean
Start	23752	End	24165
GI	none	Score	150
Exons	23752..23826, 23917..24165		

Seq. No.	15520	Seq. ID	OJ990727_06.9A18.C3
Gene No.	32882	Strand	-
Start	44030	End	48425
Name	OJ990727_06.9A18.C3.o1.tw	Method	TBLASTX:Wheat
Start	28040	End	29260
GI	none	Score	67
Exons	28040..28132, 28133..28237, 28161..28238, 28262..28303, 28262..28300, 28307..28354, 28343..28534, 28359..28496, 28538..28699, 28542..28682, 28718..29260, 28770..29216		

Seq. No.	15520	Seq. ID	OJ990727_06.9A18.C3
Gene No.	32882	Strand	-
Start	44030	End	48425
Name	OJ990727_06.9A18.C3.o2.tc	Method	TBLASTX:Cress
Start	28547	End	28973
GI	none	Score	68
Exons	28547..28699, 28560..28682, 28718..28969, 28770..28973		

Seq. No.	15520	Seq. ID	OJ990727_06.9A18.C3
Gene No.	32882	Strand	-
Start	44030	End	48425
Name	OJ990727_06.9A18.C3.o2.tm	Method	TBLASTX:Maize
Start	28871	End	29356
GI	none	Score	89
Exons	28871..29356, 28878..29027, 29163..29339		

Seq. No.	15520	Seq. ID	OJ990727_06.9A18.C3
Gene No.	32882	Strand	-
Start	44030	End	48425
Name	OJ990727_06.9A18.C3.o5.tw	Method	TBLASTX:Wheat

Start	29264	End	29614
GI	none	Score	66
Exons	29264..29347, 29265..29348, 29384..29614, 29385..29585		

Seq. No.	15520	Seq. ID	OJ990727_06.9A18.C3
Gene No.	32882	Strand	-
Start	44030	End	48425
Name	OJ990727_06.9A18.C3.o4.tm	Method	TBLASTX:Maize
Start	29393	End	29608
GI	none	Score	93
Exons	29393..29455, 29462..29608, 29472..29579		

Seq. No.	15520	Seq. ID	OJ990727_06.9A18.C3
Gene No.	32882	Strand	-
Start	44030	End	48425
Name	OJ990727_06.9A18.C3.o3.ts	Method	TBLASTX:Soybean
Start	29753	End	29987
GI	none	Score	98
Exons	29753..29986, 29832..29987		

Seq. No.	15520	Seq. ID	OJ990727_06.9A18.C3
Gene No.	32882	Strand	-
Start	44030	End	48425
Name	OJ990727_06.9A18.C3.o3.tm	Method	TBLASTX:Maize
Start	29822	End	30264
GI	none	Score	116
Exons	29822..30016, 30020..30142, 30109..30264		

Seq. No.	15520	Seq. ID	OJ990727_06.9A18.C3
Gene No.	32882	Strand	-
Start	44030	End	48425
Name	OJ990727_06.9A18.C3.o4.tw	Method	TBLASTX:Wheat
Start	29856	End	30204
GI	none	Score	102
Exons	29856..30044, 29861..30016, 29985..30143, 30047..30142, 30060..30143, 30061..30150, 30163..30204		

Seq. No.	15520	Seq. ID	OJ990727_06.9A18.C3
Gene No.	32882	Strand	-
Start	44030	End	48425
Name	OJ990727_06.9A18.C3.o3.tc	Method	TBLASTX:Cress
Start	30109	End	30439
GI	none	Score	67
Exons	30109..30438, 30142..30255, 30302..30439		

Seq. No.	15520	Seq. ID	OJ990727_06.9A18.C3
Gene No.	32882	Strand	-
Start	44030	End	48425
Name	OJ990727_06.9A18.C3.o2.ts	Method	TBLASTX:Soybean
Start	30187	End	30606
GI	none	Score	105
Exons	30187..30435, 30191..30436, 30485..30604, 30487..30606		

Seq. No.	15520	Seq. ID	OJ990727_06.9A18.C3
Gene No.	32882	Strand	-
Start	44030	End	48425
Name	OJ990727_06.9A18.C3.o3.tw	Method	TBLASTX:Wheat

Start	30205	End	30885
GI	none	Score	64
Exons	30205..30330, 30334..30438, 30344..30439, 30485..30646, 30487..30885		

Seq. No.	15520	Seq. ID	OJ990727_06.9A18.C3
Gene No.	32882	Strand	-
Start	44030	End	48425
Name	OJ990727_06.9A18.C3.o1.tc	Method	TBLASTX:Cress
Start	43426	End	48416
GI	none	Score	96
Exons	43426..43578, 43900..43959, 47148..47222, 47301..47513, 47303..47500, 47329..47508, 47601..47837, 47657..47836, 47902..48078, 47928..48029, 48187..48384, 48261..48416		

Seq. No.	15520	Seq. ID	OJ990727_06.9A18.C3
Gene No.	32882	Strand	-
Start	44030	End	48425
Name	OJ990727_06.9A18.C3.o7.gp	Method	AAT/GAP
Start	44030	End	44458
GI	none	Score	854
Exons	44030..44458		

Seq. No.	15520	Seq. ID	OJ990727_06.9A18.C3
Gene No.	32882	Strand	-
Start	44030	End	48425
Name	OJ990727_06.9A18.C3.o1.tm	Method	TBLASTX:Maize
Start	47148	End	48344
GI	none	Score	85
Exons	47148..47222, 47301..47513, 47324..47512, 47619..47837, 47619..47804, 47657..47839, 47922..48029, 47923..48066, 48178..48312, 48207..48344		

Seq. No.	15520	Seq. ID	OJ990727_06.9A18.C3
Gene No.	32882	Strand	-
Start	44030	End	48425
Name	OJ990727_06.9A18.C3.o1.ts	Method	TBLASTX:Soybean
Start	47148	End	48425
GI	none	Score	95
Exons	47148..47222, 47301..47513, 47303..47512, 47383..47514, 47601..47837, 47625..47783, 47645..47836, 47905..48069, 47922..48068, 48139..48408, 48172..48309, 48261..48425		

Seq. No.	15520	Seq. ID	OJ990727_06.9A18.C3
Gene No.	32882	Strand	-
Start	44030	End	48425
Name	OJ990727_06.9A18.C3.o6.tw	Method	TBLASTX:Wheat
Start	47301	End	47513
GI	none	Score	228
Exons	47301..47513, 47324..47512		

Seq. No.	15520	Seq. ID	OJ990727_06.9A18.C3
Gene No.	32882	Strand	-
Start	44030	End	48425
Name	OJ990727_06.9A18.C3.o2.tw	Method	TBLASTX:Wheat
Start	47663	End	48066
GI	none	Score	231

Exons	47663..47836, 47664..47837, 47902..48066, 47922..48029		
Seq. No.	15521	Seq. ID	OJ990727_06.9A18.C5
Gene No.	32883	Strand	-
Start	1	End	909
Name	OJ990727_06.9A18.C5.o1.np	Method	AAT/NAP
Start	1	End	909
GI	5091513	Score	1233
Exons	1..909		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	15522	Seq. ID	OJ990727_06.9A18.C6
Gene No.	32884	Strand	-
Start	1	End	692
Name	OJ990727_06.9A18.C6.o1.np	Method	AAT/NAP
Start	1	End	692
GI	5091513	Score	955
Exons	1..692		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	15522	Seq. ID	OJ990727_06.9A18.C6
Gene No.	32884	Strand	-
Start	1	End	692
Name	OJ990727_06.9A18.C6.o1.gs	Method	GENSCAN
Start	96	End	579
GI	none	Score	.4
Exons	96..579		
Seq. No.	15523	Seq. ID	OJ990727_06.9A18.C7
Gene No.	32885	Strand	+
Start	338	End	973
Name	OJ990727_06.9A18.C7.o1.np	Method	AAT/NAP
Start	338	End	973
GI	5091513	Score	712
Exons	338..973		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		
Seq. No.	15523	Seq. ID	OJ990727_06.9A18.C7
Gene No.	32885	Strand	+
Start	338	End	973
Name	OJ990727_06.9A18.C7.o1.gs	Method	GENSCAN
Start	411	End	907
GI	none	Score	.95
Exons	411..907		
Seq. No.	15524	Seq. ID	OJ990727_06.9A18.C8
Gene No.	32886	Strand	-
Start	123	End	281
Name	OJ990727_06.9A18.C8.o1.gs	Method	GENSCAN
Start	123	End	281
GI	none	Score	.47
Exons	123..281		
Seq. No.	15525	Seq. ID	OJ990727_06.9A18.C9
Gene No.	32887	Strand	+
Start	4062	End	6684
Name	OJ990727_06.9A18.C9.o1.gs	Method	GENSCAN

Start	4062	End	6684
GI	none	Score	.61
Exons	4062..4175, 5366..5398, 6297..6401, 6544..6684		

Seq. No.	15525	Seq. ID	OJ990727_06.9A18.C9
Gene No.	32888	Strand	+
Start	7255	End	8724
Name	OJ990727_06.9A18.C9.o2.np	Method	AAT/NAP
Start	6936	End	8724
GI	6907086	Score	1393
Exons	6936..7708, 7769..8003, 8219..8275, 8389..8567, 8645..8724		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	15525	Seq. ID	OJ990727_06.9A18.C9
Gene No.	32888	Strand	+
Start	7255	End	8724
Name	OJ990727_06.9A18.C9.o2.gs	Method	GENSCAN
Start	7255	End	7563
GI	none	Score	.91
Exons	7255..7563		

Seq. No.	15525	Seq. ID	OJ990727_06.9A18.C9
Gene No.	32889	Strand	-
Start	3419	End	4844
Name	OJ990727_06.9A18.C9.o1.np	Method	AAT/NAP
Start	3419	End	4844
GI	5852084	Score	72
Exons	3419..3502, 4816..4844		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	15526	Seq. ID	OJ990727_06.9A18.C10
Gene No.	32890	Strand	-
Start	897	End	1076
Name	OJ990727_06.9A18.C10.o1.gs	Method	GENSCAN
Start	897	End	1076
GI	none	Score	.47
Exons	897..1076		

Seq. No.	15526	Seq. ID	OJ990727_06.9A18.C10
Gene No.	32891	Strand	-
Start	2820	End	2947
Name	OJ990727_06.9A18.C10.o1.np	Method	AAT/NAP
Start	2820	End	2947
GI	224534	Score	72
Exons	2820..2947		
GI Descrip.	ORF g [Drosophila sp.]		

Seq. No.	15527	Seq. ID	OJ990727_06.9A18.C11
Gene No.	32892	Strand	-
Start	1	End	1863
Name	OJ990727_06.9A18.C11.o1.np	Method	AAT/NAP
Start	1	End	1863
GI	3777527	Score	1434
Exons	1..1493, 1578..1863		
GI Descrip.	(AF053008) gag-pol polyprotein [Glycine max]		

Seq. No.	15527	Seq. ID	OJ990727_06.9A18.C11

Gene No.	32892	Strand	-
Start	1	End	1863
Name	OJ990727_06.9A18.C11.o2.tm	Method	TBLASTX:Maize
Start	95	End	585
GI	none	Score	97
Exons	95..286, 97..285, 292..585, 302..400		

Seq. No.	15527	Seq. ID	OJ990727_06.9A18.C11
Gene No.	32892	Strand	-
Start	1	End	1863
Name	OJ990727_06.9A18.C11.o1.gs	Method	GENSCAN
Start	174	End	1777
GI	none	Score	.42
Exons	174..1777		

Seq. No.	15527	Seq. ID	OJ990727_06.9A18.C11
Gene No.	32892	Strand	-
Start	1	End	1863
Name	OJ990727_06.9A18.C11.o2.tw	Method	TBLASTX:Wheat
Start	175	End	591
GI	none	Score	80
Exons	175..411, 176..400, 439..591		

Seq. No.	15527	Seq. ID	OJ990727_06.9A18.C11
Gene No.	32892	Strand	-
Start	1	End	1863
Name	OJ990727_06.9A18.C11.o2.ts	Method	TBLASTX:Soybean
Start	229	End	619
GI	none	Score	130
Exons	229..615, 230..619		

Seq. No.	15527	Seq. ID	OJ990727_06.9A18.C11
Gene No.	32892	Strand	-
Start	1	End	1863
Name	OJ990727_06.9A18.C11.o1.tm	Method	TBLASTX:Maize
Start	652	End	1099
GI	none	Score	328
Exons	652..1098, 662..1099		

Seq. No.	15527	Seq. ID	OJ990727_06.9A18.C11
Gene No.	32892	Strand	-
Start	1	End	1863
Name	OJ990727_06.9A18.C11.o1.ts	Method	TBLASTX:Soybean
Start	761	End	1330
GI	5509260	Score	316
Exons	761..1144, 763..1290, 1162..1236, 1163..1330		
GI Descrip.	-		

Seq. No.	15527	Seq. ID	OJ990727_06.9A18.C11
Gene No.	32892	Strand	-
Start	1	End	1863
Name	OJ990727_06.9A18.C11.o1.tw	Method	TBLASTX:Wheat
Start	778	End	1246
GI	none	Score	142
Exons	778..1122, 779..946, 977..1114, 1162..1239, 1162..1245, 1166..1246		

Seq. No.	15527	Seq. ID	OJ990727_06.9A18.C11
Gene No.	32892	Strand	-
Start	1	End	1863
Name	OJ990727_06.9A18.C11.o1.tc	Method	TBLASTX:Cress
Start	880	End	1146
GI	none	Score	120
Exons	880..1146, 881..1141		

Seq. No.	15527	Seq. ID	OJ990727_06.9A18.C11
Gene No.	32892	Strand	-
Start	1	End	1863
Name	OJ990727_06.9A18.C11.o3.tm	Method	TBLASTX:Maize
Start	1603	End	1861
GI	none	Score	68
Exons	1603..1755, 1737..1838, 1750..1860, 1751..1861		

Seq. No.	15528	Seq. ID	OJ990517_05.9A15.C1
Gene No.	32893	Strand	-
Start	171	End	615
Name	OJ990517_05.9A15.C1.o1.gs	Method	GENSCAN
Start	171	End	615
GI	none	Score	.64
Exons	171..323, 567..615		

Seq. No.	15529	Seq. ID	OJ990517_05.9A15.C2
Gene No.	32894	Strand	-
Start	212	End	679
Name	OJ990517_05.9A15.C2.o1.np	Method	AAT/NAP
Start	212	End	679
GI	2580440	Score	95
Exons	212..454, 640..679		
GI Descrip.	(D87261) PCF2 [Oryza sativa]		

Seq. No.	15530	Seq. ID	OJ990517_05.9A15.C3
Gene No.	32895	Strand	+
Start	427	End	902
Name	OJ990517_05.9A15.C3.o1.gp	Method	AAT/GAP
Start	427	End	902
GI	15865_1.R1084	Score	859
Exons	427..902		
GI Descrip.	'4680199/gb\|AAD27562.1\|AF114171_3 2.0e-21 (AF114171) hypothetical protein [Sorghum bicolor]'		

Seq. No.	15530	Seq. ID	OJ990517_05.9A15.C3
Gene No.	32896	Strand	-
Start	313	End	885
Name	OJ990517_05.9A15.C3.o1.gs	Method	GENSCAN
Start	313	End	885
GI	none	Score	.87
Exons	313..885		

Seq. No.	15530	Seq. ID	OJ990517_05.9A15.C3
Gene No.	32896	Strand	-
Start	313	End	885
Name	OJ990517_05.9A15.C3.o1.tm	Method	TBLASTX:Maize
Start	454	End	789
GI	none	Score	71

Exons	454..789, 491..637		
Seq. No.	15531	Seq. ID	OJ990517_05.9A15.C4
Gene No.	32897	Strand	-
Start	1	End	343
Name	OJ990517_05.9A15.C4.o1.np	Method	AAT/NAP
Start	1	End	343
GI	6056374	Score	147
Exons	1..185, 296..343		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		
Seq. No.	15531	Seq. ID	OJ990517_05.9A15.C4
Gene No.	32897	Strand	-
Start	1	End	343
Name	OJ990517_05.9A15.C4.o1.gs	Method	GENSCAN
Start	21	End	225
GI	none	Score	.62
Exons	21..225		
Seq. No.	15532	Seq. ID	OJ990517_05.9A15.C6
Gene No.	32898	Strand	+
Start	534	End	608
Name	OJ990517_05.9A15.C6.o1.gs	Method	GENSCAN
Start	534	End	608
GI	none	Score	.68
Exons	534..608		
Seq. No.	15533	Seq. ID	OJ990517_05.9A15.C7
Gene No.	32899	Strand	+
Start	1	End	714
Name	OJ990517_05.9A15.C7.o1.np	Method	AAT/NAP
Start	1	End	714
GI	2833380	Score	91
Exons	1..151, 667..714		
GI Descrip.	RIBOSE-PHOSPHATE PYROPHOSPHOKINASE 2 (PHOSPHORIBOSYL PYROPHOSPHATE SYNTHETASE 2) (PRS II) gi\|2146772\|pir\|\|S71262 ribose-phosphate pyrophosphokinase (EC 2.7.6.1) II - Arabidopsis thaliana (fragment) gi\|1064885\|emb\|CAA63552.1\| (X92974) phosphoribosyl pyrophosphate synthetase II [Arabidopsis thaliana]		
Seq. No.	15533	Seq. ID	OJ990517_05.9A15.C7
Gene No.	32899	Strand	+
Start	1	End	714
Name	OJ990517_05.9A15.C7.o1.gs	Method	GENSCAN
Start	19	End	196
GI	none	Score	.66
Exons	19..23, 94..196		
Seq. No.	15534	Seq. ID	OJ990517_05.9A15.C8
Gene No.	32900	Strand	+
Start	222	End	359
Name	OJ990517_05.9A15.C8.o1.gs	Method	GENSCAN
Start	222	End	359
GI	none	Score	.65
Exons	222..359		

Seq. No.	15535	Seq. ID	OJ990517_05.9A15.C11
Gene No.	32901	Strand	+
Start	1	End	677
Name	OJ990517_05.9A15.C11.o1.np	Method	AAT/NAP
Start	1	End	677
GI	6056374	Score	74
Exons	1..65, 141..212, 576..677		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		

Seq. No.	15536	Seq. ID	OJ990517_05.9A15.C14
Gene No.	32902	Strand	+
Start	95	End	753
Name	OJ990517_05.9A15.C14.o1.gs	Method	GENSCAN
Start	95	End	753
GI	none	Score	.54
Exons	95..395, 533..753		

Seq. No.	15537	Seq. ID	OJ990517_05.9A15.C18
Gene No.	32903	Strand	+
Start	2408	End	13500
Name	OJ990517_05.9A15.C18.o2.gs	Method	GENSCAN
Start	2408	End	12722
GI	none	Score	.4
Exons	2408..2561, 2582..2666, 2689..2929, 3755..3931, 4062..4154, 6532..6702, 7478..8576, 9197..9334, 9410..10428, 10509..10712, 10912..11065, 11373..12416, 12626..12722		

Seq. No.	15537	Seq. ID	OJ990517_05.9A15.C18
Gene No.	32903	Strand	+
Start	2408	End	13500
Name	OJ990517_05.9A15.C18.o2.np	Method	AAT/NAP
Start	9759	End	13500
GI	4206306	Score	833
Exons	9759..9852, 10846..11245, 11442..13500		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	15537	Seq. ID	OJ990517_05.9A15.C18
Gene No.	32903	Strand	+
Start	2408	End	13500
Name	OJ990517_05.9A15.C18.o2.gp	Method	AAT/GAP
Start	12250	End	12966
GI	5455576	Score	1111
Exons	12250..12966		
GI Descrip.	4544372/gb\|AAD22283.1\|AC006920_7 6.0e-26 (AC006920) putative reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	15537	Seq. ID	OJ990517_05.9A15.C18
Gene No.	32904	Strand	-
Start	1	End	1450
Name	OJ990517_05.9A15.C18.o1.np	Method	AAT/NAP
Start	1	End	1129
GI	6554485	Score	300
Exons	1..385, 1042..1129		
GI Descrip.	(AC012394) unknown protein [Arabidopsis thaliana] gi\|6573714\|gb\|AAF17634.1\|AC009978_10 (AC009978) T23E18.26		

[Arabidopsis thaliana]

Seq. No.	15537	Seq. ID	OJ990517_05.9A15.C18
Gene No.	32904	Strand	-
Start	1	End	1450
Name	OJ990517_05.9A15.C18.o2.tm	Method	TBLASTX:Maize
Start	1	End	398
GI	none	Score	272
Exons	1..393, 2..397, 3..398		

Seq. No.	15537	Seq. ID	OJ990517_05.9A15.C18
Gene No.	32904	Strand	-
Start	1	End	1450
Name	OJ990517_05.9A15.C18.o1.tc	Method	TBLASTX:Cress
Start	2	End	272
GI	none	Score	205
Exons	2..271, 3..272		

Seq. No.	15537	Seq. ID	OJ990517_05.9A15.C18
Gene No.	32904	Strand	-
Start	1	End	1450
Name	OJ990517_05.9A15.C18.o1.ts	Method	TBLASTX:Soybean
Start	2	End	388
GI	none	Score	359
Exons	2..388, 3..386		

Seq. No.	15537	Seq. ID	OJ990517_05.9A15.C18
Gene No.	32904	Strand	-
Start	1	End	1450
Name	OJ990517_05.9A15.C18.o1.gs	Method	GENSCAN
Start	31	End	1450
GI	none	Score	.53
Exons	31..396, 1042..1450		

Seq. No.	15537	Seq. ID	OJ990517_05.9A15.C18
Gene No.	32904	Strand	-
Start	1	End	1450
Name	OJ990517_05.9A15.C18.o1.gp	Method	AAT/GAP
Start	326	End	418
GI	LIB3475-008-P1-K1-H2	Score	153
Exons	326..418		
GI Descrip.	'4544372/gb\|AAD22283.1\|AC006920_7 6.0e-26 (AC006920) putative reverse transcriptase [Arabidopsis thaliana]'		

Seq. No.	15537	Seq. ID	OJ990517_05.9A15.C18
Gene No.	32905	Strand	
Start	9292	End	9588
Name	OJ990517_05.9A15.C18.o4.tm	Method	TBLASTX:Maize
Start	9292	End	9588
GI	none	Score	154
Exons	9292..9417, 9309..9416, 9442..9588, 9447..9563		

Seq. No.	15537	Seq. ID	OJ990517_05.9A15.C18
Gene No.	32906	Strand	
Start	11624	End	12571
Name	OJ990517_05.9A15.C18.o3.ts	Method	TBLASTX:Soybean
Start	11624	End	11992

GI	none	Score	150
Exons	11624..11842, 11858..11992		
Seq. No.	15537	Seq. ID	OJ990517_05.9A15.C18
Gene No.	32906	Strand	
Start	11624	End	12571
Name	OJ990517_05.9A15.C18.o1.tw	Method	TBLASTX:Wheat
Start	11786	End	12193
GI	none	Score	603
Exons	11786..12193, 11803..12126, 12123..12191		
Seq. No.	15537	Seq. ID	OJ990517_05.9A15.C18
Gene No.	32906	Strand	
Start	11624	End	12571
Name	OJ990517_05.9A15.C18.o3.tm	Method	TBLASTX:Maize
Start	11846	End	12061
GI	none	Score	308
Exons	11846..12061, 11848..12060		
Seq. No.	15537	Seq. ID	OJ990517_05.9A15.C18
Gene No.	32906	Strand	
Start	11624	End	12571
Name	OJ990517_05.9A15.C18.o1.tm	Method	TBLASTX:Maize
Start	12062	End	12523
GI	none	Score	604
Exons	12062..12523, 12063..12314, 12211..12522		
Seq. No.	15537	Seq. ID	OJ990517_05.9A15.C18
Gene No.	32906	Strand	
Start	11624	End	12571
Name	OJ990517_05.9A15.C18.o4.ts	Method	TBLASTX:Soybean
Start	12209	End	12490
GI	none	Score	212
Exons	12209..12490, 12244..12447		
Seq. No.	15537	Seq. ID	OJ990517_05.9A15.C18
Gene No.	32906	Strand	
Start	11624	End	12571
Name	OJ990517_05.9A15.C18.o3.tw	Method	TBLASTX:Wheat
Start	12212	End	12571
GI	none	Score	187
Exons	12212..12514, 12266..12355, 12491..12571		
Seq. No.	15537	Seq. ID	OJ990517_05.9A15.C18
Gene No.	32907	Strand	
Start	12830	End	13381
Name	OJ990517_05.9A15.C18.o2.ts	Method	TBLASTX:Soybean
Start	12830	End	13246
GI	none	Score	47
Exons	12830..12868, 12869..12937, 12870..12944, 12920..12973, 13003..13089, 13004..13246, 13129..13242		
Seq. No.	15537	Seq. ID	OJ990517_05.9A15.C18
Gene No.	32907	Strand	
Start	12830	End	13381
Name	OJ990517_05.9A15.C18.o2.tw	Method	TBLASTX:Wheat
Start	13006	End	13381

GI	none	Score	201
Exons	13006..13092, 13019..13381, 13144..13254		
Seq. No.	15538	Seq. ID	OJ990517_05.9A15.C19
Gene No.	32908	Strand	+
Start	467	End	595
Name	OJ990517_05.9A15.C19.o1.gs	Method	GENSCAN
Start	467	End	595
GI	none	Score	.57
Exons	467..595		
Seq. No.	15539	Seq. ID	OJ990517_05.9A15.C20
Gene No.	32909	Strand	+
Start	303	End	877
Name	OJ990517_05.9A15.C20.o1.gs	Method	GENSCAN
Start	303	End	877
GI	none	Score	.63
Exons	303..325, 664..877		
Seq. No.	15539	Seq. ID	OJ990517_05.9A15.C20
Gene No.	32910	Strand	-
Start	1	End	1418
Name	OJ990517_05.9A15.C20.o1.np	Method	AAT/NAP
Start	1	End	1418
GI	6056372	Score	169
Exons	1..20, 103..154, 234..288, 408..473, 583..648, 750..821, 994..1144, 1227..1418		
GI Descrip.	(AC009894) Very similar to receptor-like serine/threonine kinase [Arabidopsis thaliana]		
Seq. No.	15540	Seq. ID	OJ990517_05.9A15.C21
Gene No.	32911	Strand	-
Start	463	End	533
Name	OJ990517_05.9A15.C21.o1.gp	Method	AAT/GAP
Start	463	End	533
GI	42427_1.R1084	Score	127
Exons	463..533		
GI Descrip.	'6056374/gb\|AAF02838.1\|AC009894_9 9.0e-23 (AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]'		
Seq. No.	15541	Seq. ID	OJ990517_05.9A15.C22
Gene No.	32912	Strand	-
Start	1	End	754
Name	OJ990517_05.9A15.C22.o1.np	Method	AAT/NAP
Start	1	End	754
GI	6056375	Score	359
Exons	1..173, 256..635, 725..754		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		
Seq. No.	15541	Seq. ID	OJ990517_05.9A15.C22
Gene No.	32912	Strand	-
Start	1	End	754
Name	OJ990517_05.9A15.C22.o1.tc	Method	TBLASTX:Cress
Start	69	End	474
GI	none	Score	77
Exons	69..173, 251..442, 255..440, 256..474, 260..445		

Seq. No.	15541	Seq. ID	OJ990517_05.9A15.C22
Gene No.	32912	Strand	-
Start	1	End	754
Name	OJ990517_05.9A15.C22.o1.tm	Method	TBLASTX:Maize
Start	69	End	514
GI	none	Score	60
Exons	69..176, 69..173, 70..192, 255..425, 256..513, 266..514		

Seq. No.	15541	Seq. ID	OJ990517_05.9A15.C22
Gene No.	32912	Strand	-
Start	1	End	754
Name	OJ990517_05.9A15.C22.o1.gs	Method	GENSCAN
Start	142	End	666
GI	none	Score	.57
Exons	142..173, 256..451, 536..666		

Seq. No.	15541	Seq. ID	OJ990517_05.9A15.C22
Gene No.	32912	Strand	-
Start	1	End	754
Name	OJ990517_05.9A15.C22.o1.ts	Method	TBLASTX:Soybean
Start	256	End	579
GI	none	Score	55
Exons	256..579, 266..433		

Seq. No.	15542	Seq. ID	OJ990517_05.9A15.C23
Gene No.	32913	Strand	+
Start	1	End	855
Name	OJ990517_05.9A15.C23.o1.np	Method	AAT/NAP
Start	1	End	855
GI	6056376	Score	254
Exons	1..23, 133..198, 318..368, 448..503, 585..855		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		

Seq. No.	15542	Seq. ID	OJ990517_05.9A15.C23
Gene No.	32913	Strand	+
Start	1	End	855
Name	OJ990517_05.9A15.C23.o1.tm	Method	TBLASTX:Maize
Start	436	End	742
GI	none	Score	86
Exons	436..498, 437..502, 590..742, 591..689, 673..741		

Seq. No.	15542	Seq. ID	OJ990517_05.9A15.C23
Gene No.	32913	Strand	+
Start	1	End	855
Name	OJ990517_05.9A15.C23.o1.gs	Method	GENSCAN
Start	585	End	725
GI	none	Score	.7
Exons	585..725		

Seq. No.	15543	Seq. ID	OJ990517_05.9A15.C24
Gene No.	32914	Strand	+
Start	430	End	523
Name	OJ990517_05.9A15.C24.o1.gs	Method	GENSCAN
Start	430	End	523
GI	none	Score	.69

Exons	430..523		
Seq. No.	15544	Seq. ID	OJ990517_05.9A15.C25
Gene No.	32915	Strand	-
Start	751	End	860
Name	OJ990517_05.9A15.C25.o1.gs	Method	GENSCAN
Start	751	End	860
GI	none	Score	.71
Exons	751..776, 830..860		
Seq. No.	15545	Seq. ID	OJ990517_05.9A15.C26
Gene No.	32916	Strand	+
Start	1361	End	1828
Name	OJ990517_05.9A15.C26.o1.gp	Method	AAT/GAP
Start	1361	End	1828
GI	LIB3432-059-P1-K1-D8	Score	737
Exons	1361..1828		
GI Descrip.	'5734616/dbj\|AP000391.1\|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		
Seq. No.	15545	Seq. ID	OJ990517_05.9A15.C26
Gene No.	32917	Strand	+
Start	2819	End	3062
Name	OJ990517_05.9A15.C26.o1.gs	Method	GENSCAN
Start	2819	End	3062
GI	none	Score	.75
Exons	2819..2899, 2928..3062		
Seq. No.	15545	Seq. ID	OJ990517_05.9A15.C26
Gene No.	32918	Strand	-
Start	4575	End	6004
Name	OJ990517_05.9A15.C26.o2.gs	Method	GENSCAN
Start	4575	End	5954
GI	none	Score	.96
Exons	4575..4652, 5056..5095, 5599..5954		
Seq. No.	15545	Seq. ID	OJ990517_05.9A15.C26
Gene No.	32918	Strand	-
Start	4575	End	6004
Name	OJ990517_05.9A15.C26.o1.np	Method	AAT/NAP
Start	5594	End	6004
GI	6056376	Score	194
Exons	5594..6004		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		
Seq. No.	15545	Seq. ID	OJ990517_05.9A15.C26
Gene No.	32918	Strand	-
Start	4575	End	6004
Name	OJ990517_05.9A15.C26.o1.tw	Method	TBLASTX:Wheat
Start	5697	End	5945
GI	none	Score	92
Exons	5697..5942, 5700..5945, 5701..5943		
Seq. No.	15545	Seq. ID	OJ990517_05.9A15.C26
Gene No.	32918	Strand	-
Start	4575	End	6004

Name	OJ990517_05.9A15.C26.o1.tc	Method	TBLASTX:Cress
Start	5703	End	5954
GI	none	Score	78
Exons	5703..5954, 5736..5915		

Seq. No.	15545	Seq. ID	OJ990517_05.9A15.C26
Gene No.	32918	Strand	-
Start	4575	End	6004
Name	OJ990517_05.9A15.C26.o1.tm	Method	TBLASTX:Maize
Start	5754	End	5957
GI	none	Score	229
Exons	5754..5957		

Seq. No.	15546	Seq. ID	OJ990517_05.9A15.C27
Gene No.	32919	Strand	-
Start	1	End	6646
Name	OJ990517_05.9A15.C27.o1.np	Method	AAT/NAP
Start	1	End	6450
GI	6056374	Score	1613
Exons	1..67, 147..374, 503..717, 846..964, 1055..1210, 1280..1478, 1562..1941, 2033..2113, 2203..2228, 2303..2368, 2436..2501, 2596..2699, 2806..2845, 2937..3035, 3074..3156, 3415..3484, 3568..3641, 3766..3837, 4243..4344, 4402..4476, 4637..4708, 6216..6450		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		

Seq. No.	15546	Seq. ID	OJ990517_05.9A15.C27
Gene No.	32919	Strand	-
Start	1	End	6646
Name	OJ990517_05.9A15.C27.o2.tc	Method	TBLASTX:Cress
Start	1	End	935
GI	none	Score	86
Exons	1..63, 164..391, 170..358, 198..362, 508..717, 569..718, 846..935		

Seq. No.	15546	Seq. ID	OJ990517_05.9A15.C27
Gene No.	32919	Strand	-
Start	1	End	6646
Name	OJ990517_05.9A15.C27.o1.ts	Method	TBLASTX:Soybean
Start	1	End	935
GI	none	Score	69
Exons	1..66, 11..70, 149..385, 150..389, 508..717, 515..718, 846..935		

Seq. No.	15546	Seq. ID	OJ990517_05.9A15.C27
Gene No.	32919	Strand	-
Start	1	End	6646
Name	OJ990517_05.9A15.C27.o2.tm	Method	TBLASTX:Maize
Start	1	End	657
GI	none	Score	50
Exons	1..66, 14..70, 146..391, 150..362, 496..657, 506..655		

Seq. No.	15546	Seq. ID	OJ990517_05.9A15.C27
Gene No.	32919	Strand	-
Start	1	End	6646
Name	OJ990517_05.9A15.C27.o1.gs	Method	GENSCAN
Start	147	End	6646

GI	none	Score	.61
Exons	147..327, 507..717, 846..949, 1052..1210, 1280..1478, 1562..1941, 2343..2368, 2436..2501, 3415..3486, 3570..3641, 3766..3837, 3886..3957, 4405..4476, 4632..4708, 5084..5106, 6160..6405, 6538..6646		

Seq. No.	15546	Seq. ID	OJ990517_05.9A15.C27
Gene No.	32919	Strand	-
Start	1	End	6646
Name	OJ990517_05.9A15.C27.o1.tw	Method	TBLASTX:Wheat
Start	228	End	717
GI	none	Score	80
Exons	228..380, 230..382, 505..717		

Seq. No.	15546	Seq. ID	OJ990517_05.9A15.C27
Gene No.	32919	Strand	-
Start	1	End	6646
Name	OJ990517_05.9A15.C27.o1.gp	Method	AAT/GAP
Start	640	End	1309
GI	569610	Score	682
Exons	640..717, 846..964, 1052..1210, 1280..1309		
GI Descrip.	6056375/gb\|AAF02839.1\|AC009894_10 7.0e-16 (AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		

Seq. No.	15546	Seq. ID	OJ990517_05.9A15.C27
Gene No.	32919	Strand	-
Start	1	End	6646
Name	OJ990517_05.9A15.C27.o3.tm	Method	TBLASTX:Maize
Start	658	End	1211
GI	none	Score	53
Exons	658..717, 674..718, 845..958, 846..965, 847..966, 1072..1179, 1119..1169, 1165..1209, 1167..1211		

Seq. No.	15546	Seq. ID	OJ990517_05.9A15.C27
Gene No.	32919	Strand	-
Start	1	End	6646
Name	OJ990517_05.9A15.C27.o1.tc	Method	TBLASTX:Cress
Start	1265	End	1759
GI	none	Score	118
Exons	1265..1480, 1281..1481, 1281..1487, 1552..1605, 1552..1602, 1574..1759, 1629..1733		

Seq. No.	15546	Seq. ID	OJ990517_05.9A15.C27
Gene No.	32919	Strand	-
Start	1	End	6646
Name	OJ990517_05.9A15.C27.o2.ts	Method	TBLASTX:Soybean
Start	1281	End	1879
GI	none	Score	62
Exons	1281..1418, 1431..1487, 1560..1721, 1572..1712, 1574..1879		

Seq. No.	15546	Seq. ID	OJ990517_05.9A15.C27
Gene No.	32919	Strand	-
Start	1	End	6646
Name	OJ990517_05.9A15.C27.o1.tm	Method	TBLASTX:Maize
Start	1314	End	1819
GI	none	Score	93
Exons	1314..1481, 1314..1487, 1315..1506, 1561..1731, 1563..1787,		

1565..1819, 1574..1819

Seq. No.	15547	Seq. ID	OJ990517_05.9A15.C28
Gene No.	32920	Strand	+
Start	266	End	460
Name	OJ990517_05.9A15.C28.o1.gs	Method	GENSCAN
Start	266	End	460
GI	none	Score	.96
Exons	266..460		

Seq. No.	15547	Seq. ID	OJ990517_05.9A15.C28
Gene No.	32921	Strand	+
Start	1119	End	6000
Name	OJ990517_05.9A15.C28.o2.gs	Method	GENSCAN
Start	1119	End	6000
GI	none	Score	.69
Exons	1119..1195, 5712..6000		

Seq. No.	15547	Seq. ID	OJ990517_05.9A15.C28
Gene No.	32922	Strand	-
Start	81	End	504
Name	OJ990517_05.9A15.C28.o1.np	Method	AAT/NAP
Start	81	End	504
GI	6069646	Score	84
Exons	81..504		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	15548	Seq. ID	OJ990517_05.9A15.C29
Gene No.	32923	Strand	-
Start	1	End	3702
Name	OJ990517_05.9A15.C29.o1.np	Method	AAT/NAP
Start	1	End	3702
GI	6056372	Score	1488
Exons	1..133, 228..378, 460..691, 799..1009, 1141..1259, 1341..1499, 1580..1778, 1869..2248, 2346..2400, 2487..2538, 2645..2710, 2784..2849, 2944..3015, 3133..3198, 3303..3374, 3462..3533, 3656..3702		
GI Descrip.	(AC009894) Very similar to receptor-like serine/threonine kinase [Arabidopsis thaliana]		

Seq. No.	15548	Seq. ID	OJ990517_05.9A15.C29
Gene No.	32923	Strand	-
Start	1	End	3702
Name	OJ990517_05.9A15.C29.o1.gp	Method	AAT/GAP
Start	59	End	345
GI	LIB3434-062-P1-K1-D10	Score	285
Exons	59..133, 228..345		
GI Descrip.	'6056375/gb\|AAF02839.1\|AC009894_10 5.0e-09 (AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]'		

Seq. No.	15548	Seq. ID	OJ990517_05.9A15.C29
Gene No.	32923	Strand	-
Start	1	End	3702

Name	OJ990517_05.9A15.C29.o1.tc	Method	TBLASTX:Cress
Start	222	End	2162
GI	none	Score	81
Exons	222..377, 283..381, 459..689, 463..672, 800..1012, 804..1010, 824..1012, 1141..1227, 1142..1231, 1587..1709, 1597..1722, 1869..2036, 2085..2162		

Seq. No.	15548	Seq. ID	OJ990517_05.9A15.C29
Gene No.	32923	Strand	-
Start	1	End	3702
Name	OJ990517_05.9A15.C29.o1.gs	Method	GENSCAN
Start	228	End	2248
GI	none	Score	.79
Exons	228..378, 460..640, 799..1009, 1141..1259, 1341..1499, 1580..1778, 1869..2248		

Seq. No.	15548	Seq. ID	OJ990517_05.9A15.C29
Gene No.	32923	Strand	-
Start	1	End	3702
Name	OJ990517_05.9A15.C29.o1.ts	Method	TBLASTX:Soybean
Start	228	End	1734
GI	none	Score	98
Exons	228..404, 283..381, 459..680, 462..671, 463..672, 753..1010, 787..951, 794..1012, 797..1012, 1141..1227, 1142..1228, 1578..1715, 1597..1734		

Seq. No.	15548	Seq. ID	OJ990517_05.9A15.C29
Gene No.	32923	Strand	-
Start	1	End	3702
Name	OJ990517_05.9A15.C29.o1.tm	Method	TBLASTX:Maize
Start	231	End	1500
GI	none	Score	134
Exons	231..377, 232..378, 308..379, 443..718, 459..692, 460..699, 462..737, 797..1012, 798..1010, 1136..1261, 1141..1260, 1340..1444, 1423..1458, 1454..1498, 1456..1500		

Seq. No.	15548	Seq. ID	OJ990517_05.9A15.C29
Gene No.	32923	Strand	-
Start	1	End	3702
Name	OJ990517_05.9A15.C29.o1.tw	Method	TBLASTX:Wheat
Start	541	End	1012
GI	none	Score	66
Exons	541..696, 543..695, 797..1012, 798..1010		

Seq. No.	15548	Seq. ID	OJ990517_05.9A15.C29
Gene No.	32923	Strand	-
Start	1	End	3702
Name	OJ990517_05.9A15.C29.o2.gp	Method	AAT/GAP
Start	911	End	1615
GI	uC-osroM202035h08b1	Score	730
Exons	911..1009, 1141..1259, 1341..1499, 1580..1615		
GI Descrip.	'6056375/gb\|AAF02839.1\|AC009894_10 3.0e-29 (AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]'		

Seq. No.	15548	Seq. ID	OJ990517_05.9A15.C29
Gene No.	32923	Strand	-
Start	1	End	3702

Name	OJ990517_05.9A15.C29.o2.tm	Method	TBLASTX:Maize
Start	1614	End	2139
GI	none	Score	106
Exons	1614..1781, 1614..1778, 1615..1782, 1857..2126, 1867..2127, 1868..2128, 1869..2138, 1870..2139		

Seq. No.	15548	Seq. ID	OJ990517_05.9A15.C29
Gene No.	32923	Strand	-
Start	1	End	3702
Name	OJ990517_05.9A15.C29.o2.ts	Method	TBLASTX:Soybean
Start	1869	End	2192
GI	none	Score	61
Exons	1869..2192, 1879..2019		

Seq. No.	15549	Seq. ID	OJ990517_05.9A15.C30
Gene No.	32924	Strand	+
Start	3969	End	4093
Name	OJ990517_05.9A15.C30.o1.gp	Method	AAT/GAP
Start	3969	End	4093
GI	35458_1.R1084	Score	133
Exons	3969..4093		
GI Descrip.	'3868853/dbj\|BAA34247\| 1.0e-21 (AB013853) GPI-anchored protein [Vigna radiata]'		

Seq. No.	15549	Seq. ID	OJ990517_05.9A15.C30
Gene No.	32925	Strand	+
Start	4984	End	5942
Name	OJ990517_05.9A15.C30.o2.gp	Method	AAT/GAP
Start	4984	End	5942
GI	15865_1.R1084	Score	1539
Exons	4984..5411, 5498..5942		
GI Descrip.	'4680199/gb\|AAD27562.1\|AF114171_3 2.0e-21 (AF114171) hypothetical protein [Sorghum bicolor]'		

Seq. No.	15549	Seq. ID	OJ990517_05.9A15.C30
Gene No.	32926	Strand	-
Start	1	End	3488
Name	OJ990517_05.9A15.C30.o1.np	Method	AAT/NAP
Start	1	End	3314
GI	6056374	Score	414
Exons	1..120, 169..279, 548..619, 702..773, 885..956, 1136..1225, 1294..1380, 1624..1695, 1945..2143, 3281..3314		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		

Seq. No.	15549	Seq. ID	OJ990517_05.9A15.C30
Gene No.	32926	Strand	-
Start	1	End	3488
Name	OJ990517_05.9A15.C30.o1.gs	Method	GENSCAN
Start	881	End	3488
GI	none	Score	.72
Exons	881..956, 1945..2134, 3341..3488		

Seq. No.	15549	Seq. ID	OJ990517_05.9A15.C30
Gene No.	32927	Strand	
Start	5620	End	5931
Name	OJ990517_05.9A15.C30.o1.tm	Method	TBLASTX:Maize

Start	5620	End	5931
GI	none	Score	266
Exons	5620..5931, 5772..5918		

Seq. No.	15550	Seq. ID	OJ990517_05.9A15.C32
Gene No.	32928	Strand	-
Start	1185	End	2356
Name	OJ990517_05.9A15.C32.o1.np	Method	AAT/NAP
Start	1185	End	2356
GI	6056374	Score	662
Exons	1185..1544, 1641..1791, 1878..2356		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		

Seq. No.	15550	Seq. ID	OJ990517_05.9A15.C32
Gene No.	32928	Strand	-
Start	1185	End	2356
Name	OJ990517_05.9A15.C32.o1.gs	Method	GENSCAN
Start	1186	End	2109
GI	none	Score	.69
Exons	1186..1544, 1641..1791, 1878..2109		

Seq. No.	15550	Seq. ID	OJ990517_05.9A15.C32
Gene No.	32928	Strand	-
Start	1185	End	2356
Name	OJ990517_05.9A15.C32.o1.gp	Method	AAT/GAP
Start	1247	End	1897
GI	LIB3433-030-P1-K1-C7	Score	1050
Exons	1247..1544, 1641..1897		
GI Descrip.	'6056376/gb\|AAF02840.1\|AC009894_11 9.0e-41 (AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]'		

Seq. No.	15550	Seq. ID	OJ990517_05.9A15.C32
Gene No.	32928	Strand	-
Start	1185	End	2356
Name	OJ990517_05.9A15.C32.o1.tw	Method	TBLASTX:Wheat
Start	1312	End	1536
GI	none	Score	176
Exons	1312..1536, 1320..1535		

Seq. No.	15550	Seq. ID	OJ990517_05.9A15.C32
Gene No.	32928	Strand	-
Start	1185	End	2356
Name	OJ990517_05.9A15.C32.o2.tm	Method	TBLASTX:Maize
Start	1344	End	1551
GI	none	Score	150
Exons	1344..1541, 1345..1551, 1348..1545		

Seq. No.	15550	Seq. ID	OJ990517_05.9A15.C32
Gene No.	32928	Strand	-
Start	1185	End	2356
Name	OJ990517_05.9A15.C32.o1.ts	Method	TBLASTX:Soybean
Start	1377	End	2102
GI	none	Score	41
Exons	1377..1487, 1438..1545, 1641..1775, 1641..1790, 1645..1794, 1877..2092, 1881..2102		

Seq. No.	15550	Seq. ID	OJ990517_05.9A15.C32
Gene No.	32928	Strand	-
Start	1185	End	2356
Name	OJ990517_05.9A15.C32.o1.tc	Method	TBLASTX:Cress
Start	1470	End	2089
GI	none	Score	143
Exons	1470..1544, 1641..1790, 1642..1794, 1877..2089, 1881..2087		

Seq. No.	15550	Seq. ID	OJ990517_05.9A15.C32
Gene No.	32928	Strand	-
Start	1185	End	2356
Name	OJ990517_05.9A15.C32.o1.tm	Method	TBLASTX:Maize
Start	1644	End	2140
GI	none	Score	119
Exons	1644..1787, 1644..1790, 1645..1791, 1878..2117, 1880..2110, 1891..2136, 1892..2140		

Seq. No.	15550	Seq. ID	OJ990517_05.9A15.C32
Gene No.	32928	Strand	-
Start	1185	End	2356
Name	OJ990517_05.9A15.C32.o2.tw	Method	TBLASTX:Wheat
Start	1692	End	2092
GI	none	Score	48
Exons	1692..1805, 1696..1794, 1877..2092, 1881..2090		

Seq. No.	15551	Seq. ID	OJ990517_05.9A15.C33
Gene No.	32929	Strand	-
Start	1	End	3300
Name	OJ990517_05.9A15.C33.o1.np	Method	AAT/NAP
Start	1	End	3300
GI	6056374	Score	769
Exons	1..163, 240..438, 522..901, 991..1044, 1135..1187, 1282..1347, 1450..1515, 1609..1680, 1788..1859, 1950..2048, 2104..2186, 2963..3034, 3117..3300		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		

Seq. No.	15551	Seq. ID	OJ990517_05.9A15.C33
Gene No.	32929	Strand	-
Start	1	End	3300
Name	OJ990517_05.9A15.C33.o1.gs	Method	GENSCAN
Start	38	End	1347
GI	none	Score	.73
Exons	38..163, 240..438, 522..901, 1282..1347		

Seq. No.	15551	Seq. ID	OJ990517_05.9A15.C33
Gene No.	32929	Strand	-
Start	1	End	3300
Name	OJ990517_05.9A15.C33.o1.tc	Method	TBLASTX:Cress
Start	141	End	740
GI	none	Score	37
Exons	141..167, 142..168, 241..474, 245..361, 268..423, 517..708, 521..706, 522..740, 526..711		

Seq. No.	15551	Seq. ID	OJ990517_05.9A15.C33
Gene No.	32929	Strand	-
Start	1	End	3300

Name	OJ990517_05.9A15.C33.o1.ts	Method	TBLASTX:Soybean
Start	241	End	839
GI	none	Score	53
Exons	241..378, 302..427, 522..839, 532..672		

Seq. No.	15551	Seq. ID	OJ990517_05.9A15.C33
Gene No.	32929	Strand	-
Start	1	End	3300
Name	OJ990517_05.9A15.C33.o1.tm	Method	TBLASTX:Maize
Start	274	End	783
GI	none	Score	173
Exons	274..438, 275..442, 521..691, 522..779, 532..783		

Seq. No.	15552	Seq. ID	OJ990517_05.9A15.C34
Gene No.	32930	Strand	+
Start	8812	End	10168
Name	OJ990517_05.9A15.C34.o3.gs	Method	GENSCAN
Start	8812	End	10168
GI	none	Score	.63
Exons	8812..9315, 9863..10168		

Seq. No.	15552	Seq. ID	OJ990517_05.9A15.C34
Gene No.	32931	Strand	-
Start	1	End	2946
Name	OJ990517_05.9A15.C34.o1.np	Method	AAT/NAP
Start	1	End	2946
GI	6056374	Score	501
Exons	1..143, 236..339, 447..486, 575..649, 683..794, 1072..1141, 1224..1297, 1422..1493, 1778..1849, 1918..2022, 2245..2316, 2604..2788, 2899..2946		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		

Seq. No.	15552	Seq. ID	OJ990517_05.9A15.C34
Gene No.	32932	Strand	-
Start	6950	End	8142
Name	OJ990517_05.9A15.C34.o2.gs	Method	GENSCAN
Start	6950	End	8142
GI	none	Score	.59
Exons	6950..7247, 7384..7418, 7465..7743, 7879..8142		

Seq. No.	15553	Seq. ID	OJ990517_05.9A15.C35
Gene No.	32933	Strand	+
Start	1069	End	10924
Name	OJ990517_05.9A15.C35.o1.gs	Method	GENSCAN
Start	1069	End	10924
GI	none	Score	.4
Exons	1069..1183, 1559..1617, 3138..3223, 5076..5166, 5251..5287, 5400..5890, 5940..6070, 6989..8526, 10590..10924		

Seq. No.	15553	Seq. ID	OJ990517_05.9A15.C35
Gene No.	32933	Strand	+
Start	1069	End	10924
Name	OJ990517_05.9A15.C35.o1.np	Method	AAT/NAP
Start	2659	End	8305
GI	4680207	Score	966
Exons	2659..2684, 5287..6070, 6608..8305		

GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		
Seq. No.	15553	Seq. ID	OJ990517_05.9A15.C35
Gene No.	32933	Strand	+
Start	1069	End	10924
Name	OJ990517_05.9A15.C35.o2.ts	Method	TBLASTX:Soybean
Start	5309	End	5896
GI	none	Score	100
Exons	5309..5530, 5548..5631, 5726..5896, 5743..5895		
Seq. No.	15553	Seq. ID	OJ990517_05.9A15.C35
Gene No.	32933	Strand	+
Start	1069	End	10924
Name	OJ990517_05.9A15.C35.o1.ts	Method	TBLASTX:Soybean
Start	6522	End	7253
GI	none	Score	104
Exons	6522..6650, 6525..6641, 6651..6824, 6690..6851, 6936..7079, 7176..7253		
Seq. No.	15553	Seq. ID	OJ990517_05.9A15.C35
Gene No.	32933	Strand	+
Start	1069	End	10924
Name	OJ990517_05.9A15.C35.o1.tm	Method	TBLASTX:Maize
Start	6771	End	7262
GI	none	Score	89
Exons	6771..6887, 6945..7082, 7107..7187, 7194..7262		
Seq. No.	15553	Seq. ID	OJ990517_05.9A15.C35
Gene No.	32933	Strand	+
Start	1069	End	10924
Name	OJ990517_05.9A15.C35.o1.tw	Method	TBLASTX:Wheat
Start	6972	End	7277
GI	none	Score	128
Exons	6972..7079, 6989..7081, 7098..7160, 7176..7277		
Seq. No.	15554	Seq. ID	OJ990517_05.9A15.C36
Gene No.	32934	Strand	-
Start	282	End	1522
Name	OJ990517_05.9A15.C36.o1.np	Method	AAT/NAP
Start	282	End	1522
GI	6056376	Score	745
Exons	282..671, 742..892, 980..1211, 1310..1522		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		
Seq. No.	15554	Seq. ID	OJ990517_05.9A15.C36
Gene No.	32934	Strand	-
Start	282	End	1522
Name	OJ990517_05.9A15.C36.o1.gs	Method	GENSCAN
Start	302	End	1499
GI	none	Score	.63
Exons	302..671, 742..892, 980..1160, 1304..1499		
Seq. No.	15554	Seq. ID	OJ990517_05.9A15.C36
Gene No.	32934	Strand	-
Start	282	End	1522

Name	OJ990517_05.9A15.C36.o2.tc	Method	TBLASTX:Cress
Start	483	End	783
GI	none	Score	62
Exons	483..671, 724..783		

Seq. No.	15554	Seq. ID	OJ990517_05.9A15.C36
Gene No.	32934	Strand	-
Start	282	End	1522
Name	OJ990517_05.9A15.C36.o2.tm	Method	TBLASTX:Maize
Start	483	End	678
GI	none	Score	71
Exons	483..668, 517..678		

Seq. No.	15554	Seq. ID	OJ990517_05.9A15.C36
Gene No.	32934	Strand	-
Start	282	End	1522
Name	OJ990517_05.9A15.C36.o1.ts	Method	TBLASTX:Soybean
Start	510	End	1521
GI	none	Score	79
Exons	510..611, 724..891, 794..883, 972..1151, 980..1204, 985..1200, 1311..1520, 1324..1521		

Seq. No.	15554	Seq. ID	OJ990517_05.9A15.C36
Gene No.	32934	Strand	-
Start	282	End	1522
Name	OJ990517_05.9A15.C36.o1.gp	Method	AAT/GAP
Start	745	End	1225
GI	LIB3474-011-P1-K1-B12	Score	731
Exons	745..892, 980..1225		
GI Descrip.	'6056376/gb\|AAF02840.1\|AC009894_11 3.0e-48 (AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]'		

Seq. No.	15554	Seq. ID	OJ990517_05.9A15.C36
Gene No.	32934	Strand	-
Start	282	End	1522
Name	OJ990517_05.9A15.C36.o1.tm	Method	TBLASTX:Maize
Start	748	End	1522
GI	none	Score	78
Exons	748..891, 783..890, 783..893, 785..892, 980..1225, 985..1221, 1311..1520, 1324..1521, 1325..1522		

Seq. No.	15554	Seq. ID	OJ990517_05.9A15.C36
Gene No.	32934	Strand	-
Start	282	End	1522
Name	OJ990517_05.9A15.C36.o1.tc	Method	TBLASTX:Cress
Start	787	End	1521
GI	none	Score	64
Exons	787..891, 794..895, 983..1192, 985..1194, 1308..1520, 1327..1521		

Seq. No.	15554	Seq. ID	OJ990517_05.9A15.C36
Gene No.	32934	Strand	-
Start	282	End	1522
Name	OJ990517_05.9A15.C36.o1.tw	Method	TBLASTX:Wheat
Start	1061	End	1521
GI	none	Score	95
Exons	1061..1213, 1063..1212, 1300..1521, 1314..1520		

Seq. No.	15555	Seq. ID	OJ990517_05.9A15.C37
Gene No.	32935	Strand	-
Start	1	End	1692
Name	OJ990517_05.9A15.C37.o1.np	Method	AAT/NAP
Start	1	End	1692
GI	6056374	Score	267
Exons	1..57, 635..753, 1000..1150, 1254..1460, 1588..1692		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		

Seq. No.	15555	Seq. ID	OJ990517_05.9A15.C37
Gene No.	32935	Strand	-
Start	1	End	1692
Name	OJ990517_05.9A15.C37.o1.gs	Method	GENSCAN
Start	635	End	1460
GI	none	Score	.53
Exons	635..817, 1100..1164, 1259..1460		

Seq. No.	15555	Seq. ID	OJ990517_05.9A15.C37
Gene No.	32935	Strand	-
Start	1	End	1692
Name	OJ990517_05.9A15.C37.o1.tc	Method	TBLASTX:Cress
Start	1255	End	1481
GI	none	Score	102
Exons	1255..1368, 1263..1481, 1264..1374, 1395..1463		

Seq. No.	15555	Seq. ID	OJ990517_05.9A15.C37
Gene No.	32935	Strand	-
Start	1	End	1692
Name	OJ990517_05.9A15.C37.o1.tm	Method	TBLASTX:Maize
Start	1296	End	1481
GI	none	Score	131
Exons	1296..1481, 1303..1416, 1313..1432, 1314..1466		

Seq. No.	15556	Seq. ID	OJ990517_05.9A15.C39
Gene No.	32936	Strand	+
Start	273	End	500
Name	OJ990517_05.9A15.C39.o1.np	Method	AAT/NAP
Start	273	End	500
GI	1072669	Score	407
Exons	273..500		
GI Descrip.	hypothetical protein - phage phi-80 gi\|461350\|emb\|CAA53547\| (X75949) ORF x171.8 [Bacteriophage phi-80]		

Seq. No.	15557	Seq. ID	OJ990517_05.9A15.C40
Gene No.	32937	Strand	+
Start	312	End	1069
Name	OJ990517_05.9A15.C40.o1.np	Method	AAT/NAP
Start	312	End	1069
GI	4902849	Score	197
Exons	312..589, 979..1069		
GI Descrip.	(AJ006940) phosphoribosyl pyrophosphate synthase [Spinacia oleracea]		

Seq. No.	15557	Seq. ID	OJ990517_05.9A15.C40
Gene No.	32937	Strand	+
Start	312	End	1069

Name	OJ990517_05.9A15.C40.o1.gs	Method	GENSCAN
Start	317	End	636
GI	none	Score	.76
Exons	317..472, 535..636		

Seq. No.	15557	Seq. ID	OJ990517_05.9A15.C40
Gene No.	32937	Strand	+
Start	312	End	1069
Name	OJ990517_05.9A15.C40.o1.tc	Method	TBLASTX:Cress
Start	370	End	588
GI	none	Score	134
Exons	370..501, 383..511, 501..587, 502..588		

Seq. No.	15557	Seq. ID	OJ990517_05.9A15.C40
Gene No.	32937	Strand	+
Start	312	End	1069
Name	OJ990517_05.9A15.C40.o1.ts	Method	TBLASTX:Soybean
Start	383	End	588
GI	none	Score	158
Exons	383..511, 388..510, 486..587, 502..588		

Seq. No.	15558	Seq. ID	OJ990517_05.9A15.C41
Gene No.	32938	Strand	-
Start	1	End	669
Name	OJ990517_05.9A15.C41.o1.np	Method	AAT/NAP
Start	1	End	669
GI	6056372	Score	74
Exons	1..46, 318..389, 483..669		
GI Descrip.	(AC009894) Very similar to receptor-like serine/threonine kinase [Arabidopsis thaliana]		

Seq. No.	15559	Seq. ID	OJ990517_05.9A15.C43
Gene No.	32939	Strand	
Start	113	End	494
Name	OJ990517_05.9A15.C43.o1.tm	Method	TBLASTX:Maize
Start	113	End	494
GI	none	Score	131
Exons	113..244, 115..252, 116..244, 180..251, 355..480, 355..480, 359..481, 360..494		

Seq. No.	15559	Seq. ID	OJ990517_05.9A15.C43
Gene No.	32939	Strand	
Start	113	End	494
Name	OJ990517_05.9A15.C43.o1.ts	Method	TBLASTX:Soybean
Start	113	End	479
GI	none	Score	158
Exons	113..232, 115..252, 116..244, 360..479		

Seq. No.	15559	Seq. ID	OJ990517_05.9A15.C43
Gene No.	32939	Strand	
Start	113	End	494
Name	OJ990517_05.9A15.C43.o1.tc	Method	TBLASTX:Cress
Start	115	End	479
GI	none	Score	106
Exons	115..252, 116..244, 120..251, 360..479, 367..429		

Seq. No.	15560	Seq. ID	OJ990517_05.9A15.C45

Gene No.	32940	Strand	+
Start	320	End	373
Name	OJ990517_05.9A15.C45.o1.gs	Method	GENSCAN
Start	320	End	373
GI	none	Score	.43
Exons	320..373		

Seq. No.	15560	Seq. ID	OJ990517_05.9A15.C45
Gene No.	32941	Strand	-
Start	212	End	483
Name	OJ990517_05.9A15.C45.o1.gp	Method	AAT/GAP
Start	212	End	483
GI	none	Score	503
Exons	212..483		

Seq. No.	15561	Seq. ID	OJ990517_05.9A15.C46
Gene No.	32942	Strand	-
Start	1	End	749
Name	OJ990517_05.9A15.C46.o1.np	Method	AAT/NAP
Start	1	End	749
GI	6554485	Score	515
Exons	1..749		
GI Descrip.	(AC012394) unknown protein [Arabidopsis thaliana] gi\|6573714\|gb\|AAF17634.1\|AC009978_10 (AC009978) T23E18.26 [Arabidopsis thaliana]		

Seq. No.	15561	Seq. ID	OJ990517_05.9A15.C46
Gene No.	32942	Strand	-
Start	1	End	749
Name	OJ990517_05.9A15.C46.o1.gp	Method	AAT/GAP
Start	107	End	220
GI	none	Score	140
Exons	107..220		

Seq. No.	15561	Seq. ID	OJ990517_05.9A15.C46
Gene No.	32942	Strand	-
Start	1	End	749
Name	OJ990517_05.9A15.C46.o1.tm	Method	TBLASTX:Maize
Start	108	End	692
GI	none	Score	187
Exons	108..365, 108..374, 109..375, 369..686, 369..692, 370..690		

Seq. No.	15561	Seq. ID	OJ990517_05.9A15.C46
Gene No.	32942	Strand	-
Start	1	End	749
Name	OJ990517_05.9A15.C46.o1.ts	Method	TBLASTX:Soybean
Start	129	End	693
GI	none	Score	515
Exons	129..692, 130..693		

Seq. No.	15561	Seq. ID	OJ990517_05.9A15.C46
Gene No.	32942	Strand	-
Start	1	End	749
Name	OJ990517_05.9A15.C46.o1.tc	Method	TBLASTX:Cress
Start	195	End	657
GI	none	Score	380
Exons	195..656, 196..657		

Seq. No.	15562	Seq. ID	OJ990517_05.9A15.C48
Gene No.	32943	Strand	+
Start	106	End	636
Name	OJ990517_05.9A15.C48.o1.gs	Method	GENSCAN
Start	106	End	636
GI	none	Score	.69
Exons	106..194, 425..515, 600..636		

Seq. No.	15563	Seq. ID	OJ990517_05.9A15.C49
Gene No.	32944	Strand	-
Start	1	End	632
Name	OJ990517_05.9A15.C49.o1.np	Method	AAT/NAP
Start	1	End	632
GI	6056372	Score	446
Exons	1..159, 246..473, 597..632		
GI Descrip.	(AC009894) Very similar to receptor-like serine/threonine kinase [Arabidopsis thaliana]		

Seq. No.	15563	Seq. ID	OJ990517_05.9A15.C49
Gene No.	32944	Strand	-
Start	1	End	632
Name	OJ990517_05.9A15.C49.o1.gs	Method	GENSCAN
Start	36	End	519
GI	none	Score	.71
Exons	36..159, 246..519		

Seq. No.	15563	Seq. ID	OJ990517_05.9A15.C49
Gene No.	32944	Strand	-
Start	1	End	632
Name	OJ990517_05.9A15.C49.o1.tm	Method	TBLASTX:Maize
Start	39	End	520
GI	none	Score	104
Exons	39..155, 54..158, 55..159, 55..159, 246..461, 248..463, 260..520		

Seq. No.	15563	Seq. ID	OJ990517_05.9A15.C49
Gene No.	32944	Strand	-
Start	1	End	632
Name	OJ990517_05.9A15.C49.o1.tc	Method	TBLASTX:Cress
Start	45	End	457
GI	none	Score	110
Exons	45..158, 55..162, 245..457, 249..455		

Seq. No.	15563	Seq. ID	OJ990517_05.9A15.C49
Gene No.	32944	Strand	-
Start	1	End	632
Name	OJ990517_05.9A15.C49.o1.ts	Method	TBLASTX:Soybean
Start	48	End	470
GI	none	Score	63
Exons	48..158, 52..159, 63..143, 64..162, 245..460, 249..470		

Seq. No.	15563	Seq. ID	OJ990517_05.9A15.C49
Gene No.	32944	Strand	-
Start	1	End	632
Name	OJ990517_05.9A15.C49.o1.tw	Method	TBLASTX:Wheat
Start	60	End	460
GI	none	Score	54

Exons	60..179, 64..162, 245..460, 249..458		
Seq. No.	15564	Seq. ID	OJ990517_05.9A15.C50
Gene No.	32945	Strand	+
Start	464	End	792
Name	OJ990517_05.9A15.C50.o1.gp	Method	AAT/GAP
Start	464	End	792
GI	none	Score	462
Exons	464..792		
Seq. No.	15564	Seq. ID	OJ990517_05.9A15.C50
Gene No.	32946	Strand	-
Start	761	End	1450
Name	OJ990517_05.9A15.C50.o1.np	Method	AAT/NAP
Start	761	End	1450
GI	6056374	Score	269
Exons	761..1132, 1227..1450		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		
Seq. No.	15564	Seq. ID	OJ990517_05.9A15.C50
Gene No.	32946	Strand	-
Start	761	End	1450
Name	OJ990517_05.9A15.C50.o1.gs	Method	GENSCAN
Start	776	End	1149
GI	none	Score	.43
Exons	776..1016, 1065..1149		
Seq. No.	15564	Seq. ID	OJ990517_05.9A15.C50
Gene No.	32946	Strand	-
Start	761	End	1450
Name	OJ990517_05.9A15.C50.o1.tw	Method	TBLASTX:Wheat
Start	868	End	1108
GI	none	Score	138
Exons	868..1101, 874..1080, 911..1108		
Seq. No.	15565	Seq. ID	OJ990517_05.9A15.C51
Gene No.	32947	Strand	-
Start	476	End	556
Name	OJ990517_05.9A15.C51.o1.gs	Method	GENSCAN
Start	476	End	556
GI	none	Score	.56
Exons	476..556		
Seq. No.	15566	Seq. ID	OJ990517_05.9A15.C55
Gene No.	32948	Strand	+
Start	1571	End	2881
Name	OJ990517_05.9A15.C55.o1.gs	Method	GENSCAN
Start	1571	End	2635
GI	none	Score	.62
Exons	1571..1670, 1764..1953, 2559..2635		
Seq. No.	15566	Seq. ID	OJ990517_05.9A15.C55
Gene No.	32948	Strand	+
Start	1571	End	2881
Name	OJ990517_05.9A15.C55.o1.np	Method	AAT/NAP
Start	1721	End	2881

GI	6056374	Score	193
Exons	1721..1953, 2559..2630, 2674..2881		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		

Seq. No.	15567	Seq. ID	OJ990517_05.9A15.C58
Gene No.	32949	Strand	-
Start	1	End	422
Name	OJ990517_05.9A15.C58.o1.np	Method	AAT/NAP
Start	1	End	422
GI	6056374	Score	322
Exons	1..201, 282..422		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		

Seq. No.	15567	Seq. ID	OJ990517_05.9A15.C58
Gene No.	32949	Strand	-
Start	1	End	422
Name	OJ990517_05.9A15.C58.o1.gp	Method	AAT/GAP
Start	58	End	168
GI	LIB3434-062-P1-K1-D10	Score	150
Exons	58..168		
GI Descrip.	'6056375/gb\|AAF02839.1\|AC009894_10 5.0e-09 (AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]'		

Seq. No.	15567	Seq. ID	OJ990517_05.9A15.C58
Gene No.	32949	Strand	-
Start	1	End	422
Name	OJ990517_05.9A15.C58.o1.tm	Method	TBLASTX:Maize
Start	58	End	409
GI	none	Score	130
Exons	58..201, 60..200, 281..409, 284..409		

Seq. No.	15567	Seq. ID	OJ990517_05.9A15.C58
Gene No.	32949	Strand	-
Start	1	End	422
Name	OJ990517_05.9A15.C58.o1.tc	Method	TBLASTX:Cress
Start	60	End	409
GI	none	Score	81
Exons	60..200, 106..204, 281..409		

Seq. No.	15567	Seq. ID	OJ990517_05.9A15.C58
Gene No.	32949	Strand	-
Start	1	End	422
Name	OJ990517_05.9A15.C58.o1.ts	Method	TBLASTX:Soybean
Start	60	End	409
GI	none	Score	100
Exons	60..200, 106..219, 281..409, 285..407, 302..409		

Seq. No.	15567	Seq. ID	OJ990517_05.9A15.C58
Gene No.	32949	Strand	-
Start	1	End	422
Name	OJ990517_05.9A15.C58.o1.tw	Method	TBLASTX:Wheat
Start	90	End	409
GI	none	Score	83
Exons	90..200, 106..201, 284..409, 361..387		

Seq. No.	15568	Seq. ID	OJ990517_05.9A15.C59
Gene No.	32950	Strand	-
Start	86	End	215
Name	OJ990517_05.9A15.C59.o1.gs	Method	GENSCAN
Start	86	End	215
GI	none	Score	.62
Exons	86..215		

Seq. No.	15569	Seq. ID	OJ990517_05.9A15.C60
Gene No.	32951	Strand	+
Start	1	End	4618
Name	OJ990517_05.9A15.C60.o1.np	Method	AAT/NAP
Start	1	End	3804
GI	6056372	Score	1400
Exons	1..323, 702..900, 972..1127, 1213..1331, 1473..1688, 1812..2038, 2118..2268, 2364..2610, 3751..3804		
GI Descrip.	(AC009894) Very similar to receptor-like serine/threonine kinase [Arabidopsis thaliana]		

Seq. No.	15569	Seq. ID	OJ990517_05.9A15.C60
Gene No.	32951	Strand	+
Start	1	End	4618
Name	OJ990517_05.9A15.C60.o1.gp	Method	AAT/GAP
Start	1	End	235
GI	uC-osflm202100b06b1	Score	449
Exons	1..235		
GI Descrip.	'5441872/dbj\|AP000366.1\|AP000366 2.0e-21 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig a)'		

Seq. No.	15569	Seq. ID	OJ990517_05.9A15.C60
Gene No.	32951	Strand	+
Start	1	End	4618
Name	OJ990517_05.9A15.C60.o1.gs	Method	GENSCAN
Start	3	End	4617
GI	none	Score	.77
Exons	3..323, 702..900, 972..1130, 1213..1331, 1473..1683, 1807..2038, 2118..2268, 2364..2701, 3449..3489, 4486..4617		

Seq. No.	15569	Seq. ID	OJ990517_05.9A15.C60
Gene No.	32951	Strand	+
Start	1	End	4618
Name	OJ990517_05.9A15.C60.o2.ts	Method	TBLASTX:Soybean
Start	6	End	899
GI	none	Score	188
Exons	6..323, 173..328, 173..313, 680..748, 702..749, 762..899, 779..850		

Seq. No.	15569	Seq. ID	OJ990517_05.9A15.C60
Gene No.	32951	Strand	+
Start	1	End	4618
Name	OJ990517_05.9A15.C60.o2.tm	Method	TBLASTX:Maize
Start	62	End	866
GI	none	Score	282
Exons	62..322, 66..323, 66..335, 158..325, 677..865, 699..866, 702..866		

Seq. No.	15569	Seq. ID	OJ990517_05.9A15.C60

Gene No.	32951	Strand	+
Start	1	End	4618
Name	OJ990517_05.9A15.C60.o3.tc	Method	TBLASTX:Cress
Start	152	End	993
GI	none	Score	207
Exons	152..322, 156..323, 158..325, 189..323, 698..883, 702..899, 717..899, 754..915, 970..993		

Seq. No.	15569	Seq. ID	OJ990517_05.9A15.C60
Gene No.	32951	Strand	+
Start	1	End	4618
Name	OJ990517_05.9A15.C60.o1.tm	Method	TBLASTX:Maize
Start	971	End	2265
GI	none	Score	49
Exons	971..1015, 1003..1131, 1200..1331, 1211..1330, 1464..1694, 1465..1665, 1472..1678, 1796..2038, 1797..2036, 1827..2039, 1829..2038, 2118..2213, 2118..2264, 2119..2265		

Seq. No.	15569	Seq. ID	OJ990517_05.9A15.C60
Gene No.	32951	Strand	+
Start	1	End	4618
Name	OJ990517_05.9A15.C60.o1.ts	Method	TBLASTX:Soybean
Start	1235	End	2525
GI	none	Score	93
Exons	1235..1324, 1236..1331, 1466..1513, 1494..1706, 1806..2039, 1829..2038, 2119..2244, 2131..2178, 2349..2420, 2421..2525		

Seq. No.	15569	Seq. ID	OJ990517_05.9A15.C60
Gene No.	32951	Strand	+
Start	1	End	4618
Name	OJ990517_05.9A15.C60.o2.tc	Method	TBLASTX:Cress
Start	1308	End	1694
GI	none	Score	45
Exons	1308..1337, 1464..1694, 1472..1681		

Seq. No.	15569	Seq. ID	OJ990517_05.9A15.C60
Gene No.	32951	Strand	+
Start	1	End	4618
Name	OJ990517_05.9A15.C60.o1.tw	Method	TBLASTX:Wheat
Start	1554	End	2166
GI	none	Score	103
Exons	1554..1688, 1809..2021, 1823..1990, 2119..2166		

Seq. No.	15569	Seq. ID	OJ990517_05.9A15.C60
Gene No.	32951	Strand	+
Start	1	End	4618
Name	OJ990517_05.9A15.C60.o1.tc	Method	TBLASTX:Cress
Start	1827	End	2438
GI	none	Score	278
Exons	1827..2039, 1829..2035, 1866..2036, 2115..2165, 2119..2268, 2364..2438		

Seq. No.	15569	Seq. ID	OJ990517_05.9A15.C60
Gene No.	32951	Strand	+
Start	1	End	4618
Name	OJ990517_05.9A15.C60.o2.gp	Method	AAT/GAP
Start	1854	End	2535

GI	LIB3434-038-P1-K1-F11	Score	923
Exons	1854..2038, 2118..2268, 2364..2535		
GI Descrip.	'6056372/gb\|AAF02836.1\|AC009894_7 6.0e-60 (AC009894) Very similar to receptor-like serine/threonine kinase [Arabidopsis thaliana]'		

Seq. No.	15569	Seq. ID	OJ990517_05.9A15.C60
Gene No.	32951	Strand	+
Start	1	End	4618
Name	OJ990517_05.9A15.C60.o3.tm	Method	TBLASTX:Maize
Start	2361	End	2564
GI	none	Score	223
Exons	2361..2564, 2361..2561		

Seq. No.	15569	Seq. ID	OJ990517_05.9A15.C60
Gene No.	32951	Strand	+
Start	1	End	4618
Name	OJ990517_05.9A15.C60.o2.tw	Method	TBLASTX:Wheat
Start	2373	End	2605
GI	none	Score	242
Exons	2373..2597, 2468..2605		

Seq. No.	15569	Seq. ID	OJ990517_05.9A15.C60
Gene No.	32951	Strand	+
Start	1	End	4618
Name	OJ990517_05.9A15.C60.o3.gp	Method	AAT/GAP
Start	4452	End	4618
GI	42427_1.R1084	Score	279
Exons	4452..4618		
GI Descrip.	'6056374/gb\|AAF02838.1\|AC009894_9 9.0e-23 (AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]'		

Seq. No.	15570	Seq. ID	OJ990517_05.9A15.C61
Gene No.	32952	Strand	+
Start	111	End	395
Name	OJ990517_05.9A15.C61.o1.gs	Method	GENSCAN
Start	111	End	395
GI	none	Score	.88
Exons	111..200, 387..395		

Seq. No.	15570	Seq. ID	OJ990517_05.9A15.C61
Gene No.	32953	Strand	+
Start	1123	End	4171
Name	OJ990517_05.9A15.C61.o1.np	Method	AAT/NAP
Start	1123	End	4171
GI	6056374	Score	388
Exons	1123..1352, 1602..1673, 2379..2493, 2575..2636, 3000..3071, 3180..3251, 3332..3403, 3651..3725, 3769..3876, 4104..4171		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		

Seq. No.	15570	Seq. ID	OJ990517_05.9A15.C61
Gene No.	32953	Strand	+
Start	1123	End	4171
Name	OJ990517_05.9A15.C61.o1.gp	Method	AAT/GAP
Start	1164	End	2449
GI	42427_1.R1084	Score	600

Exons	1164..1352, 1602..1673, 2379..2449		
GI Descrip.	'6056374/gb\|AAF02838.1\|AC009894_9 9.0e-23 (AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]'		

Seq. No.	15570	Seq. ID	OJ990517_05.9A15.C61
Gene No.	32954	Strand	-
Start	1126	End	2227
Name	OJ990517_05.9A15.C61.o2.gs	Method	GENSCAN
Start	1126	End	2227
GI	none	Score	.96
Exons	1126..1410, 2216..2227		

Seq. No.	15571	Seq. ID	OJ990517_05.9A15.C62
Gene No.	32955	Strand	+
Start	1	End	2186
Name	OJ990517_05.9A15.C62.o1.np	Method	AAT/NAP
Start	1	End	2159
GI	6056375	Score	1159
Exons	1..96, 172..370, 456..611, 701..819, 907..1117, 1257..1488, 1571..1721, 1827..2159		
GI Descrip.	(AC009894) Similar to serine/threonine kinases [Arabidopsis thaliana]		

Seq. No.	15571	Seq. ID	OJ990517_05.9A15.C62
Gene No.	32955	Strand	+
Start	1	End	2186
Name	OJ990517_05.9A15.C62.o1.gs	Method	GENSCAN
Start	208	End	2186
GI	none	Score	.77
Exons	208..304, 456..614, 701..819, 964..1117, 1308..1488, 1571..1721, 1827..1917, 1942..2186		

Seq. No.	15571	Seq. ID	OJ990517_05.9A15.C62
Gene No.	32956	Strand	+
Start	3640	End	5392
Name	OJ990517_05.9A15.C62.o3.np	Method	AAT/NAP
Start	3640	End	5392
GI	5734709	Score	156
Exons	3640..3803, 4888..5392		
GI Descrip.	(AC008075) Contains PF\|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	15571	Seq. ID	OJ990517_05.9A15.C62
Gene No.	32957	Strand	-
Start	1931	End	2315
Name	OJ990517_05.9A15.C62.o1.gp	Method	AAT/GAP
Start	1931	End	2315
GI	none	Score	720
Exons	1931..2315		

Seq. No.	15571	Seq. ID	OJ990517_05.9A15.C62
Gene No.	32958	Strand	-
Start	3176	End	5231
Name	OJ990517_05.9A15.C62.o2.tc	Method	TBLASTX:Cress
Start	61	End	478
GI	none	Score	57
Exons	61..96, 172..369, 249..368, 258..374, 455..478		

Seq. No.	15571	Seq. ID	OJ990517_05.9A15.C62
Gene No.	32958	Strand	-
Start	3176	End	5231
Name	OJ990517_05.9A15.C62.o2.tm	Method	TBLASTX:Maize
Start	61	End	336
GI	none	Score	55
Exons	61..96, 168..329, 171..335, 172..336		

Seq. No.	15571	Seq. ID	OJ990517_05.9A15.C62
Gene No.	32958	Strand	-
Start	3176	End	5231
Name	OJ990517_05.9A15.C62.o1.tm	Method	TBLASTX:Maize
Start	457	End	1718
GI	none	Score	95
Exons	457..501, 487..591, 488..625, 699..818, 700..819, 782..823, 899..1096, 906..1097, 906..1118, 907..1119, 1256..1486, 1268..1477, 1272..1502, 1357..1488, 1571..1717, 1572..1718, 1575..1718		

Seq. No.	15571	Seq. ID	OJ990517_05.9A15.C62
Gene No.	32958	Strand	-
Start	3176	End	5231
Name	OJ990517_05.9A15.C62.o3.tw	Method	TBLASTX:Wheat
Start	715	End	1101
GI	none	Score	70
Exons	715..819, 906..1100, 907..1101		

Seq. No.	15571	Seq. ID	OJ990517_05.9A15.C62
Gene No.	32958	Strand	-
Start	3176	End	5231
Name	OJ990517_05.9A15.C62.o3.tc	Method	TBLASTX:Cress
Start	726	End	1119
GI	none	Score	93
Exons	726..821, 730..822, 906..1118, 907..1119, 958..1119		

Seq. No.	15571	Seq. ID	OJ990517_05.9A15.C62
Gene No.	32958	Strand	-
Start	3176	End	5231
Name	OJ990517_05.9A15.C62.o1.ts	Method	TBLASTX:Soybean
Start	793	End	1721
GI	none	Score	39
Exons	793..819, 907..1119, 918..1118, 1274..1489, 1274..1477, 1568..1666, 1572..1721		

Seq. No.	15571	Seq. ID	OJ990517_05.9A15.C62
Gene No.	32958	Strand	-
Start	3176	End	5231
Name	OJ990517_05.9A15.C62.o2.tw	Method	TBLASTX:Wheat
Start	1274	End	1682
GI	none	Score	161
Exons	1274..1486, 1571..1666, 1572..1682		

Seq. No.	15571	Seq. ID	OJ990517_05.9A15.C62
Gene No.	32958	Strand	-
Start	3176	End	5231
Name	OJ990517_05.9A15.C62.o1.tc	Method	TBLASTX:Cress

Start	1279	End	1721
GI	none	Score	99
Exons	1279..1482, 1280..1489, 1316..1462, 1568..1720, 1571..1675, 1572..1721		

Seq. No.	15571	Seq. ID	OJ990517_05.9A15.C62
Gene No.	32958	Strand	-
Start	3176	End	5231
Name	OJ990517_05.9A15.C62.o3.tm	Method	TBLASTX:Maize
Start	1824	End	2027
GI	none	Score	204
Exons	1824..2015, 1830..2027, 1928..2026		

Seq. No.	15571	Seq. ID	OJ990517_05.9A15.C62
Gene No.	32958	Strand	-
Start	3176	End	5231
Name	OJ990517_05.9A15.C62.o1.tw	Method	TBLASTX:Wheat
Start	1825	End	2093
GI	none	Score	85
Exons	1825..2043, 1833..2093, 1836..2093		

Seq. No.	15571	Seq. ID	OJ990517_05.9A15.C62
Gene No.	32958	Strand	-
Start	3176	End	5231
Name	OJ990517_05.9A15.C62.o4.tc	Method	TBLASTX:Cress
Start	1827	End	2078
GI	none	Score	194
Exons	1827..2078, 1884..2012, 1955..2041		

Seq. No.	15571	Seq. ID	OJ990517_05.9A15.C62
Gene No.	32958	Strand	-
Start	3176	End	5231
Name	OJ990517_05.9A15.C62.o2.np	Method	AAT/NAP
Start	3145	End	5231
GI	2580440	Score	80
Exons	3145..3389, 5182..5231		
GI Descrip.	(D87261) PCF2 [Oryza sativa]		

Seq. No.	15571	Seq. ID	OJ990517_05.9A15.C62
Gene No.	32958	Strand	-
Start	3176	End	5231
Name	OJ990517_05.9A15.C62.o2.gs	Method	GENSCAN
Start	3176	End	4515
GI	none	Score	.47
Exons	3176..3324, 3797..3887, 4392..4515		

Seq. No.	15572	Seq. ID	OJ990517_05.9A15.C63
Gene No.	32959	Strand	+
Start	77	End	704
Name	OJ990517_05.9A15.C63.o1.gs	Method	GENSCAN
Start	77	End	704
GI	none	Score	.77
Exons	77..178, 271..355, 415..704		

Seq. No.	15572	Seq. ID	OJ990517_05.9A15.C63
Gene No.	32960	Strand	-
Start	1	End	3194

Name	OJ990517_05.9A15.C63.o1.np	Method	AAT/NAP
Start	1	End	3194
GI	5295955	Score	313
Exons	1..644, 688..760, 1441..1555, 2099..2212, 3129..3194		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	15573	Seq. ID	OJ990517_05.9A15.C64
Gene No.	32961	Strand	+
Start	187	End	1053
Name	OJ990517_05.9A15.C64.o1.gs	Method	GENSCAN
Start	187	End	1053
GI	none	Score	.61
Exons	187..1053		

Seq. No.	15573	Seq. ID	OJ990517_05.9A15.C64
Gene No.	32962	Strand	-
Start	92	End	359
Name	OJ990517_05.9A15.C64.o1.gp	Method	AAT/GAP
Start	92	End	359
GI	2442508	Score	476
Exons	92..359		

Seq. No.	15574	Seq. ID	OJ990517_05.9A15.C66
Gene No.	32963	Strand	+
Start	67	End	211
Name	OJ990517_05.9A15.C66.o1.gs	Method	GENSCAN
Start	67	End	211
GI	none	Score	.75
Exons	67..211		

Seq. No.	15575	Seq. ID	OJ990617_04.9A01.C1
Gene No.	32964	Strand	+
Start	833	End	922
Name	OJ990617_04.9A01.C1.o1.gs	Method	GENSCAN
Start	833	End	922
GI	none	Score	.75
Exons	833..922		

Seq. No.	15576	Seq. ID	OJ990617_04.9A01.C3
Gene No.	32965	Strand	-
Start	172	End	2491
Name	OJ990617_04.9A01.C3.o1.np	Method	AAT/NAP
Start	172	End	2491
GI	6223650	Score	477
Exons	172..213, 1755..1985, 2031..2179, 2296..2491		
GI Descrip.	(AC011698) NAM-like protein (no apical meristem) [Arabidopsis thaliana]		

Seq. No.	15576	Seq. ID	OJ990617_04.9A01.C3
Gene No.	32965	Strand	-
Start	172	End	2491
Name	OJ990617_04.9A01.C3.o1.gs	Method	GENSCAN
Start	1185	End	2491
GI	none	Score	.55
Exons	1185..1847, 1917..2179, 2296..2491		

Seq. No.	15576	Seq. ID	OJ990617_04.9A01.C3
Gene No.	32966	Strand	-
Start	5059	End	5311
Name	OJ990617_04.9A01.C3.o1.tm	Method	TBLASTX:Maize
Start	1806	End	2449
GI	none	Score	57
Exons	1806..1850, 1807..1848, 1891..1959, 1902..1985, 1906..1986, 2028..2177, 2029..2178, 2044..2178, 2117..2182, 2121..2180, 2282..2449, 2291..2449		

Seq. No.	15576	Seq. ID	OJ990617_04.9A01.C3
Gene No.	32966	Strand	-
Start	5059	End	5311
Name	OJ990617_04.9A01.C3.o1.tw	Method	TBLASTX:Wheat
Start	1809	End	2166
GI	none	Score	86
Exons	1809..1847, 1900..1983, 1902..1982, 2049..2165, 2056..2166		

Seq. No.	15576	Seq. ID	OJ990617_04.9A01.C3
Gene No.	32966	Strand	-
Start	5059	End	5311
Name	OJ990617_04.9A01.C3.o1.tc	Method	TBLASTX:Cress
Start	1815	End	2441
GI	none	Score	45
Exons	1815..1850, 1819..1848, 1897..1986, 1902..2003, 2044..2187, 2046..2180, 2047..2181, 2282..2440, 2292..2438, 2298..2441		

Seq. No.	15576	Seq. ID	OJ990617_04.9A01.C3
Gene No.	32966	Strand	-
Start	5059	End	5311
Name	OJ990617_04.9A01.C3.o1.ts	Method	TBLASTX:Soybean
Start	1815	End	2458
GI	none	Score	98
Exons	1815..1850, 1900..1992, 1900..1956, 1902..1991, 2028..2177, 2044..2175, 2044..2178, 2282..2458, 2298..2441		

Seq. No.	15576	Seq. ID	OJ990617_04.9A01.C3
Gene No.	32966	Strand	-
Start	5059	End	5311
Name	OJ990617_04.9A01.C3.o2.gs	Method	GENSCAN
Start	5059	End	5311
GI	none	Score	.54
Exons	5059..5135, 5194..5311		

Seq. No.	15577	Seq. ID	OJ990617_04.9A01.C4
Gene No.	32967	Strand	-
Start	1789	End	1875
Name	OJ990617_04.9A01.C4.o1.gs	Method	GENSCAN
Start	1789	End	1875
GI	none	Score	.96
Exons	1789..1875		

Seq. No.	15578	Seq. ID	OJ990617_04.9A01.C5
Gene No.	32968	Strand	-
Start	454	End	2036
Name	OJ990617_04.9A01.C5.o1.gs	Method	GENSCAN
Start	454	End	2006

GI	none	Score	.96
Exons	454..1155, 1421..1728, 1856..2006		

Seq. No.	15578	Seq. ID	OJ990617_04.9A01.C5
Gene No.	32968	Strand	-
Start	454	End	2036
Name	OJ990617_04.9A01.C5.o1.gp	Method	AAT/GAP
Start	600	End	1086
GI	uC-osf1M202052a02b1	Score	788
Exons	600..1086		
GI Descrip.	'4868375/gb\|AAD31285.1\|AF139807_1 1.0e-29 (AF139807) nod factor binding lectin-nucleotide phosphohydrolase [Dolichos biflorus]'		

Seq. No.	15578	Seq. ID	OJ990617_04.9A01.C5
Gene No.	32968	Strand	-
Start	454	End	2036
Name	OJ990617_04.9A01.C5.o1.np	Method	AAT/NAP
Start	1089	End	2036
GI	4325282	Score	518
Exons	1089..1155, 1430..1728, 1856..2036		
GI Descrip.	(AF123310) NAC domain protein NAM [Arabidopsis thaliana] gi\|4325286\|gb\|AAD17314\| (AF123311) NAC domain protein NAM [Arabidopsis thaliana] gi\|6862948\|gb\|AAF30336.1\|AC019018_14 (AC019018) NAM-like protein [Arabidopsis thaliana]		

Seq. No.	15578	Seq. ID	OJ990617_04.9A01.C5
Gene No.	32969	Strand	-
Start	3773	End	4187
Name	OJ990617_04.9A01.C5.o1.tc	Method	TBLASTX:Cress
Start	1114	End	2004
GI	none	Score	49
Exons	1114..1158, 1487..1741, 1488..1517, 1557..1742, 1852..2004, 1857..2003		

Seq. No.	15578	Seq. ID	OJ990617_04.9A01.C5
Gene No.	32969	Strand	-
Start	3773	End	4187
Name	OJ990617_04.9A01.C5.o1.tm	Method	TBLASTX:Maize
Start	1120	End	2043
GI	none	Score	71
Exons	1120..1158, 1487..1585, 1489..1566, 1598..1741, 1605..1742, 1857..2021, 1860..1997, 1867..2043		

Seq. No.	15578	Seq. ID	OJ990617_04.9A01.C5
Gene No.	32969	Strand	-
Start	3773	End	4187
Name	OJ990617_04.9A01.C5.o1.ts	Method	TBLASTX:Soybean
Start	1487	End	2037
GI	none	Score	62
Exons	1487..1579, 1488..1580, 1488..1580, 1589..1741, 1599..1742, 1852..2037, 1857..1997		

Seq. No.	15578	Seq. ID	OJ990617_04.9A01.C5
Gene No.	32969	Strand	-
Start	3773	End	4187
Name	OJ990617_04.9A01.C5.o1.tw	Method	TBLASTX:Wheat
Start	1487	End	1721

GI	none	Score	52
Exons	1487..1573, 1491..1571, 1495..1572, 1525..1584, 1567..1680, 1595..1720, 1605..1721		

Seq. No.	15578	Seq. ID	OJ990617_04.9A01.C5
Gene No.	32969	Strand	-
Start	3773	End	4187
Name	OJ990617_04.9A01.C5.o2.tw	Method	TBLASTX:Wheat
Start	1857	End	4187
GI	none	Score	132
Exons	1857..1997, 1858..2031, 1864..2037, 1943..2038, 4113..4187		

Seq. No.	15578	Seq. ID	OJ990617_04.9A01.C5
Gene No.	32969	Strand	-
Start	3773	End	4187
Name	OJ990617_04.9A01.C5.o2.gs	Method	GENSCAN
Start	3773	End	4049
GI	none	Score	.88
Exons	3773..3921, 4019..4049		

Seq. No.	15579	Seq. ID	OJ990617_04.9A01.C6
Gene No.	32970	Strand	+
Start	353	End	586
Name	OJ990617_04.9A01.C6.o1.gs	Method	GENSCAN
Start	353	End	586
GI	none	Score	.76
Exons	353..586		

Seq. No.	15579	Seq. ID	OJ990617_04.9A01.C6
Gene No.	32971	Strand	-
Start	1130	End	5462
Name	OJ990617_04.9A01.C6.o2.gs	Method	GENSCAN
Start	1130	End	5253
GI	none	Score	.63
Exons	1130..1262, 2852..2877, 2926..2979, 4106..4269, 4734..4825, 5074..5253		

Seq. No.	15579	Seq. ID	OJ990617_04.9A01.C6
Gene No.	32971	Strand	-
Start	1130	End	5462
Name	OJ990617_04.9A01.C6.o1.np	Method	AAT/NAP
Start	4106	End	5462
GI	6683666	Score	477
Exons	4106..4319, 4734..4825, 5074..5462		
GI Descrip.	(AB027616) apyrase [Pisum sativum]		

Seq. No.	15579	Seq. ID	OJ990617_04.9A01.C6
Gene No.	32971	Strand	-
Start	1130	End	5462
Name	OJ990617_04.9A01.C6.o1.tm	Method	TBLASTX:Maize
Start	4112	End	5373
GI	none	Score	127
Exons	4112..4279, 4112..4279, 4279..4320, 4280..4351, 4714..4773, 4765..4827, 5054..5359, 5056..5358, 5076..5372, 5089..5373		

Seq. No.	15579	Seq. ID	OJ990617_04.9A01.C6
Gene No.	32971	Strand	-

Start	1130	End	5462
Name	OJ990617_04.9A01.C6.o1.ts	Method	TBLASTX:Soybean
Start	4115	End	5373
GI	none	Score	66
Exons	4115..4270, 4729..4827, 5071..5313, 5076..5228, 5076..5372, 5080..5373		

Seq. No.	15580	Seq. ID	OJ990617_04.9A01.C7
Gene No.	32972	Strand	-
Start	136	End	1668
Name	OJ990617_04.9A01.C7.o1.tm	Method	TBLASTX:Maize
Start	118	End	1433
GI	none	Score	150
Exons	118..420, 137..421, 138..434, 151..435, 510..572, 510..569, 512..571, 1349..1432, 1350..1433		

Seq. No.	15580	Seq. ID	OJ990617_04.9A01.C7
Gene No.	32972	Strand	-
Start	136	End	1668
Name	OJ990617_04.9A01.C7.o1.ts	Method	TBLASTX:Soybean
Start	124	End	1480
GI	none	Score	78
Exons	124..375, 138..290, 138..434, 142..435, 512..571, 1349..1480		

Seq. No.	15580	Seq. ID	OJ990617_04.9A01.C7
Gene No.	32972	Strand	-
Start	136	End	1668
Name	OJ990617_04.9A01.C7.o1.gs	Method	GENSCAN
Start	136	End	571
GI	none	Score	.69
Exons	136..315, 515..571		

Seq. No.	15580	Seq. ID	OJ990617_04.9A01.C7
Gene No.	32972	Strand	-
Start	136	End	1668
Name	OJ990617_04.9A01.C7.o1.np	Method	AAT/NAP
Start	136	End	1668
GI	6683666	Score	362
Exons	136..434, 515..571, 1349..1509, 1644..1668		
GI Descrip.	(AB027616) apyrase [Pisum sativum]		

Seq. No.	15581	Seq. ID	OJ990617_04.9A01.C8
Gene No.	32973	Strand	+
Start	348	End	1516
Name	OJ990617_04.9A01.C8.o1.gs	Method	GENSCAN
Start	348	End	1516
GI	none	Score	.64
Exons	348..422, 527..700, 760..905, 989..1061, 1156..1254, 1334..1516		

Seq. No.	15581	Seq. ID	OJ990617_04.9A01.C8
Gene No.	32974	Strand	+
Start	1607	End	1948
Name	OJ990617_04.9A01.C8.o1.np	Method	AAT/NAP
Start	1607	End	1948
GI	862343	Score	102
Exons	1607..1764, 1863..1948		
GI Descrip.	(L10908) Gcap1 gene product [Mus musculus]		

gi|1092097|prf||2022314A granule cell marker protein [Mus musculus] gi|1092098|prf||2022315A granule cell marker protein [Mus musculus]

Seq. No.	15581	Seq. ID	OJ990617_04.9A01.C8
Gene No.	32974	Strand	+
Start	1607	End	1948
Name	OJ990617_04.9A01.C8.o1.gp	Method	AAT/GAP
Start	1691	End	1901
GI	LIB3477-003-P1-K1-E9	Score	130
Exons	1691..1764, 1863..1901		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	15582	Seq. ID	OJ990617_04.9A01.C9
Gene No.	32975	Strand	-
Start	36	End	413
Name	OJ990617_04.9A01.C9.o1.gs	Method	GENSCAN
Start	36	End	413
GI	none	Score	.99
Exons	36..413		

Seq. No.	15583	Seq. ID	OJ990617_04.9A01.C11
Gene No.	32976	Strand	-
Start	42	End	824
Name	OJ990617_04.9A01.C11.o1.gs	Method	GENSCAN
Start	42	End	824
GI	none	Score	.76
Exons	42..212, 696..824		

Seq. No.	15584	Seq. ID	OJ990617_04.9A01.C12
Gene No.	32977	Strand	-
Start	505	End	825
Name	OJ990617_04.9A01.C12.o1.gs	Method	GENSCAN
Start	505	End	825
GI	none	Score	.62
Exons	505..601, 640..825		

Seq. No.	15585	Seq. ID	OJ990617_04.9A01.C13
Gene No.	32978	Strand	+
Start	1	End	1716
Name	OJ990617_04.9A01.C13.o1.np	Method	AAT/NAP
Start	1	End	1716
GI	6721562	Score	73
Exons	1..137, 1642..1716		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi\|6815087\|dbj\|BAA90373.1\| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	15585	Seq. ID	OJ990617_04.9A01.C13
Gene No.	32979	Strand	-
Start	1101	End	1643
Name	OJ990617_04.9A01.C13.o1.gs	Method	GENSCAN
Start	1101	End	1643

GI	none	Score	.97
Exons	1101..1213, 1449..1643		

Seq. No.	15586	Seq. ID	OJ990617_04.9A01.C14
Gene No.	32980	Strand	+
Start	96	End	3452
Name	OJ990617_04.9A01.C14.o1.gs	Method	GENSCAN
Start	96	End	3424
GI	none	Score	.48
Exons	96..196, 253..580, 699..848, 872..1069, 1223..2223, 2282..2635, 2699..3424		

Seq. No.	15586	Seq. ID	OJ990617_04.9A01.C14
Gene No.	32980	Strand	+
Start	96	End	3452
Name	OJ990617_04.9A01.C14.o1.np	Method	AAT/NAP
Start	776	End	3452
GI	6498441	Score	2994
Exons	776..1840, 2171..2635, 2699..3072, 3256..3452		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	15586	Seq. ID	OJ990617_04.9A01.C14
Gene No.	32980	Strand	+
Start	96	End	3452
Name	OJ990617_04.9A01.C14.o2.tm	Method	TBLASTX:Maize
Start	931	End	1215
GI	none	Score	193
Exons	931..1203, 967..1215, 969..1214		

Seq. No.	15586	Seq. ID	OJ990617_04.9A01.C14
Gene No.	32980	Strand	+
Start	96	End	3452
Name	OJ990617_04.9A01.C14.o3.tw	Method	TBLASTX:Wheat
Start	979	End	1317
GI	none	Score	116
Exons	979..1077, 984..1076, 1044..1283, 1060..1317		

Seq. No.	15586	Seq. ID	OJ990617_04.9A01.C14
Gene No.	32980	Strand	+
Start	96	End	3452
Name	OJ990617_04.9A01.C14.o2.tw	Method	TBLASTX:Wheat
Start	2055	End	2542
GI	none	Score	185
Exons	2055..2228, 2056..2310, 2250..2309, 2308..2511, 2309..2542, 2321..2515		

Seq. No.	15586	Seq. ID	OJ990617_04.9A01.C14
Gene No.	32980	Strand	+
Start	96	End	3452
Name	OJ990617_04.9A01.C14.o1.tw	Method	TBLASTX:Wheat
Start	2706	End	3169
GI	none	Score	197
Exons	2706..3149, 2707..3162, 2708..3169, 2708..3163		

Seq. No.	15586	Seq. ID	OJ990617_04.9A01.C14

Gene No.	32980	Strand	+
Start	96	End	3452
Name	OJ990617_04.9A01.C14.o1.ts	Method	TBLASTX:Soybean
Start	2747	End	3112
GI	none	Score	113
Exons	2747..2971, 2978..3112		

Seq. No.	15586	Seq. ID	OJ990617_04.9A01.C14
Gene No.	32980	Strand	+
Start	96	End	3452
Name	OJ990617_04.9A01.C14.o1.tm	Method	TBLASTX:Maize
Start	2837	End	3193
GI	none	Score	392
Exons	2837..3193, 2872..3183, 2888..3193		

Seq. No.	15586	Seq. ID	OJ990617_04.9A01.C14
Gene No.	32980	Strand	+
Start	96	End	3452
Name	OJ990617_04.9A01.C14.o4.tw	Method	TBLASTX:Wheat
Start	3170	End	3452
GI	none	Score	218
Exons	3170..3385, 3178..3384, 3372..3452, 3373..3450		

Seq. No.	15586	Seq. ID	OJ990617_04.9A01.C14
Gene No.	32980	Strand	+
Start	96	End	3452
Name	OJ990617_04.9A01.C14.o3.tm	Method	TBLASTX:Maize
Start	3220	End	3452
GI	none	Score	137
Exons	3220..3384, 3221..3385, 3373..3450, 3381..3452		

Seq. No.	15587	Seq. ID	OJ990617_04.9A01.C15
Gene No.	32981	Strand	+
Start	85	End	554
Name	OJ990617_04.9A01.C15.o1.gp	Method	AAT/GAP
Start	85	End	554
GI	2428323	Score	834
Exons	85..554		
GI Descrip.	5803242/dbj\|AP000399.1\|AP000399 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04		

Seq. No.	15587	Seq. ID	OJ990617_04.9A01.C15
Gene No.	32982	Strand	-
Start	562	End	764
Name	OJ990617_04.9A01.C15.o1.gs	Method	GENSCAN
Start	562	End	759
GI	none	Score	.57
Exons	562..759		

Seq. No.	15587	Seq. ID	OJ990617_04.9A01.C15
Gene No.	32982	Strand	-
Start	562	End	764
Name	OJ990617_04.9A01.C15.o1.np	Method	AAT/NAP
Start	565	End	764
GI	5803259	Score	301
Exons	565..764		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	15588	Seq. ID	OJ990617_04.9A01.C16
Gene No.	32983	Strand	-
Start	1	End	737
Name	OJ990617_04.9A01.C16.o1.np	Method	AAT/NAP
Start	1	End	737
GI	5803259	Score	960
Exons	1..627, 678..737		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	15588	Seq. ID	OJ990617_04.9A01.C16
Gene No.	32983	Strand	-
Start	1	End	737
Name	OJ990617_04.9A01.C16.o1.gs	Method	GENSCAN
Start	46	End	375
GI	none	Score	.43
Exons	46..107, 149..375		

Seq. No.	15589	Seq. ID	OJ990617_04.9A01.C17
Gene No.	32984	Strand	+
Start	649	End	775
Name	OJ990617_04.9A01.C17.o1.gp	Method	AAT/GAP
Start	649	End	775
GI	2492_1.R1084	Score	215
Exons	649..775		
GI Descrip.	'4204260 6.0e-09 (AC005223) 25568 [Arabidopsis thaliana]'		

Seq. No.	15590	Seq. ID	OJ990617_04.9A01.C18
Gene No.	32985	Strand	+
Start	2302	End	2538
Name	OJ990617_04.9A01.C18.o3.gp	Method	AAT/GAP
Start	2302	End	2538
GI	15675_1.R1084	Score	193
Exons	2302..2340, 2448..2538		
GI Descrip.	'4204260 6.0e-09 (AC005223) 25568 [Arabidopsis thaliana]'		

Seq. No.	15590	Seq. ID	OJ990617_04.9A01.C18
Gene No.	32986	Strand	-
Start	27	End	2534
Name	OJ990617_04.9A01.C18.o1.np	Method	AAT/NAP
Start	27	End	1572
GI	4567284	Score	195
Exons	27..259, 360..489, 573..637, 869..1002, 1426..1572		
GI Descrip.	(AC006841) unknown protein [Arabidopsis thaliana]		

Seq. No.	15590	Seq. ID	OJ990617_04.9A01.C18
Gene No.	32986	Strand	-
Start	27	End	2534
Name	OJ990617_04.9A01.C18.o1.gp	Method	AAT/GAP
Start	110	End	1134
GI	2492_1.R1084	Score	903
Exons	110..256, 387..450, 573..637, 869..1134		
GI Descrip.	'4204260 6.0e-09 (AC005223) 25568 [Arabidopsis thaliana]'		

Seq. No.	15590	Seq. ID	OJ990617_04.9A01.C18
Gene No.	32986	Strand	-
Start	27	End	2534

Name	OJ990617_04.9A01.C18.o1.gs	Method	GENSCAN
Start	128	End	2534
GI	none	Score	.57
Exons	128..259, 387..450, 573..637, 869..1059, 2291..2534		

Seq. No.	15590	Seq. ID	OJ990617_04.9A01.C18
Gene No.	32986	Strand	-
Start	27	End	2534
Name	OJ990617_04.9A01.C18.o2.gp	Method	AAT/GAP
Start	865	End	1161
GI	2276011	Score	373
Exons	865..1022, 1060..1161		

Seq. No.	15591	Seq. ID	OJ990617_04.9A01.C19
Gene No.	32987	Strand	+
Start	655	End	2880
Name	OJ990617_04.9A01.C19.o1.tw	Method	TBLASTX:Wheat
Start	644	End	1571
GI	none	Score	103
Exons	644..763, 648..761, 665..769, 876..929, 877..939, 878..940, 1219..1326, 1238..1300, 1411..1569, 1416..1571		

Seq. No.	15591	Seq. ID	OJ990617_04.9A01.C19
Gene No.	32987	Strand	+
Start	655	End	2880
Name	OJ990617_04.9A01.C19.o1.gp	Method	AAT/GAP
Start	655	End	1558
GI	3061099	Score	596
Exons	655..763, 878..937, 1235..1297, 1413..1558		
GI Descrip.	4204260 6.0e-09 (AC005223) 25568 [Arabidopsis thaliana]		

Seq. No.	15591	Seq. ID	OJ990617_04.9A01.C19
Gene No.	32987	Strand	+
Start	655	End	2880
Name	OJ990617_04.9A01.C19.o1.tm	Method	TBLASTX:Maize
Start	659	End	2375
GI	none	Score	83
Exons	659..763, 660..755, 662..769, 872..940, 876..932, 877..939, 1231..1326, 1238..1300, 1408..1557, 1414..1563, 1416..1592, 1416..1562, 1569..1610, 1572..1610, 1573..1611, 1689..1748, 1689..1754, 1690..1764, 1702..1764, 1853..2002, 1854..1994, 1898..1996, 2021..2080, 2022..2075, 2279..2368, 2282..2371, 2283..2369, 2319..2375		

Seq. No.	15591	Seq. ID	OJ990617_04.9A01.C19
Gene No.	32987	Strand	+
Start	655	End	2880
Name	OJ990617_04.9A01.C19.o1.gs	Method	GENSCAN
Start	661	End	2880
GI	none	Score	.89
Exons	661..763, 1235..1297, 1413..1610, 1684..1780, 1861..2075, 2845..2880		

Seq. No.	15591	Seq. ID	OJ990617_04.9A01.C19
Gene No.	32987	Strand	+
Start	655	End	2880
Name	OJ990617_04.9A01.C19.o2.gp	Method	AAT/GAP

Start	1923	End	2677
GI	none	Score	730
Exons	1923..1945, 1975..2075, 2280..2677		

Seq. No.	15592	Seq. ID	OJ990617_04.9A01.C24
Gene No.	32988	Strand	+
Start	1	End	611
Name	OJ990617_04.9A01.C24.o1.np	Method	AAT/NAP
Start	1	End	611
GI	6498441	Score	861
Exons	1..611		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	15592	Seq. ID	OJ990617_04.9A01.C24
Gene No.	32988	Strand	+
Start	1	End	611
Name	OJ990617_04.9A01.C24.o1.gs	Method	GENSCAN
Start	106	End	576
GI	none	Score	.83
Exons	106..576		

Seq. No.	15592	Seq. ID	OJ990617_04.9A01.C24
Gene No.	32988	Strand	+
Start	1	End	611
Name	OJ990617_04.9A01.C24.o1.tm	Method	TBLASTX:Maize
Start	121	End	435
GI	none	Score	142
Exons	121..324, 322..435		

Seq. No.	15592	Seq. ID	OJ990617_04.9A01.C24
Gene No.	32988	Strand	+
Start	1	End	611
Name	OJ990617_04.9A01.C24.o1.tw	Method	TBLASTX:Wheat
Start	124	End	522
GI	none	Score	337
Exons	124..522, 132..215, 240..383		

Seq. No.	15593	Seq. ID	OJ990617_04.9A01.C25
Gene No.	32989	Strand	+
Start	1	End	587
Name	OJ990617_04.9A01.C25.o1.np	Method	AAT/NAP
Start	1	End	470
GI	5042454	Score	253
Exons	1..179, 417..470		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	15593	Seq. ID	OJ990617_04.9A01.C25
Gene No.	32989	Strand	+
Start	1	End	587
Name	OJ990617_04.9A01.C25.o1.gs	Method	GENSCAN
Start	123	End	587
GI	none	Score	.47
Exons	123..179, 417..587		

Seq. No.	15594	Seq. ID	OJ990617_04.9A01.C26

Gene No.	32990	Strand	+
Start	196	End	650
Name	OJ990617_04.9A01.C26.o1.gs	Method	GENSCAN
Start	196	End	650
GI	none	Score	.61
Exons	196..282, 370..427, 613..650		

Seq. No.	15595	Seq. ID	OJ990617_04.9A01.C27
Gene No.	32991	Strand	-
Start	417	End	503
Name	OJ990617_04.9A01.C27.o1.gs	Method	GENSCAN
Start	417	End	503
GI	none	Score	.9
Exons	417..503		

Seq. No.	15596	Seq. ID	OJ990617_04.9A01.C29
Gene No.	32992	Strand	+
Start	340	End	712
Name	OJ990617_04.9A01.C29.o1.tm	Method	TBLASTX:Maize
Start	324	End	540
GI	none	Score	198
Exons	324..539, 325..540		

Seq. No.	15596	Seq. ID	OJ990617_04.9A01.C29
Gene No.	32992	Strand	+
Start	340	End	712
Name	OJ990617_04.9A01.C29.o1.np	Method	AAT/NAP
Start	340	End	712
GI	4678924	Score	124
Exons	340..522, 684..712		
GI Descrip.	(AL049711) putative protein [Arabidopsis thaliana]		

Seq. No.	15597	Seq. ID	OJ990617_04.9A01.C32
Gene No.	32993	Strand	+
Start	1189	End	1643
Name	OJ990617_04.9A01.C32.o1.gs	Method	GENSCAN
Start	1189	End	1532
GI	none	Score	.55
Exons	1189..1532		

Seq. No.	15597	Seq. ID	OJ990617_04.9A01.C32
Gene No.	32993	Strand	+
Start	1189	End	1643
Name	OJ990617_04.9A01.C32.o1.tm	Method	TBLASTX:Maize
Start	1253	End	1469
GI	none	Score	198
Exons	1253..1468, 1254..1469		

Seq. No.	15597	Seq. ID	OJ990617_04.9A01.C32
Gene No.	32993	Strand	+
Start	1189	End	1643
Name	OJ990617_04.9A01.C32.o1.np	Method	AAT/NAP
Start	1269	End	1643
GI	4678924	Score	127
Exons	1269..1447, 1533..1643		
GI Descrip.	(AL049711) putative protein [Arabidopsis thaliana]		

Seq. No.	15598	Seq. ID	OJ990617_04.9A01.C33
Gene No.	32994	Strand	+
Start	136	End	714
Name	OJ990617_04.9A01.C33.o1.gs	Method	GENSCAN
Start	136	End	705
GI	none	Score	.91
Exons	136..705		

Seq. No.	15598	Seq. ID	OJ990617_04.9A01.C33
Gene No.	32994	Strand	+
Start	136	End	714
Name	OJ990617_04.9A01.C33.o1.np	Method	AAT/NAP
Start	136	End	714
GI	5803259	Score	1015
Exons	136..714		
GI Descrip.	(AP000399) hypothetical protein [Oryza sativa]		

Seq. No.	15599	Seq. ID	OJ990617_04.9A01.C35
Gene No.	32995	Strand	-
Start	260	End	376
Name	OJ990617_04.9A01.C35.o1.gs	Method	GENSCAN
Start	260	End	376
GI	none	Score	.93
Exons	260..376		

Seq. No.	15600	Seq. ID	OJ990617_04.9A01.C36
Gene No.	32996	Strand	+
Start	1	End	274
Name	OJ990617_04.9A01.C36.o1.gp	Method	AAT/GAP
Start	1	End	274
GI	602_5.R1084	Score	531
Exons	1..274		
GI Descrip.	'1172818/sp\|P46294\|RS16_ORYSA 2.0e-25 40S RIBOSOMAL PROTEIN S16 >gi_538428 (L36313) ribosomal protein S16 [Oryza sativa] >gi_1096552_prf__2111468A ribosomal protein S16 [Oryza sativa]'		

Seq. No.	15601	Seq. ID	OJ990617_04.9A01.C37
Gene No.	32997	Strand	+
Start	1	End	10132
Name	OJ990617_04.9A01.C37.o2.np	Method	AAT/NAP
Start	1	End	10132
GI	6598711	Score	241
Exons	1..87, 7377..7553, 7836..8007, 9101..9501, 10115..10132		
GI Descrip.	(AC007197) putative disease resistance protein [Arabidopsis thaliana]		

Seq. No.	15601	Seq. ID	OJ990617_04.9A01.C37
Gene No.	32997	Strand	+
Start	1	End	10132
Name	OJ990617_04.9A01.C37.o2.gs	Method	GENSCAN
Start	4110	End	9516
GI	none	Score	.71
Exons	4110..4320, 5526..6038, 6148..8298, 8350..8525, 9142..9516		

Seq. No.	15601	Seq. ID	OJ990617_04.9A01.C37
Gene No.	32997	Strand	+
Start	1	End	10132

Name	OJ990617_04.9A01.C37.o1.np	Method	AAT/NAP
Start	6168	End	7049
GI	3982618	Score	744
Exons	6168..7049		
GI Descrip.	(AF056153) disease resistance gene analog PIC13 [Zea mays]		

Seq. No.	15601	Seq. ID	OJ990617_04.9A01.C37
Gene No.	32998	Strand	-
Start	1564	End	2962
Name	OJ990617_04.9A01.C37.o1.gs	Method	GENSCAN
Start	1564	End	2962
GI	none	Score	.79
Exons	1564..1887, 2918..2962		

Seq. No.	15601	Seq. ID	OJ990617_04.9A01.C37
Gene No.	32999	Strand	
Start	6126	End	9481
Name	OJ990617_04.9A01.C37.o1.tc	Method	TBLASTX:Cress
Start	6126	End	6872
GI	none	Score	92
Exons	6126..6236, 6222..6371, 6369..6428, 6522..6584, 6609..6743, 6759..6872		

Seq. No.	15601	Seq. ID	OJ990617_04.9A01.C37
Gene No.	32999	Strand	
Start	6126	End	9481
Name	OJ990617_04.9A01.C37.o1.tm	Method	TBLASTX:Maize
Start	6522	End	6920
GI	none	Score	50
Exons	6522..6584, 6579..6920, 6617..6862		

Seq. No.	15601	Seq. ID	OJ990617_04.9A01.C37
Gene No.	32999	Strand	
Start	6126	End	9481
Name	OJ990617_04.9A01.C37.o1.ts	Method	TBLASTX:Soybean
Start	6639	End	7643
GI	none	Score	287
Exons	6639..6998, 6641..6997, 7314..7466, 7542..7643		

Seq. No.	15601	Seq. ID	OJ990617_04.9A01.C37
Gene No.	32999	Strand	
Start	6126	End	9481
Name	OJ990617_04.9A01.C37.o2.tm	Method	TBLASTX:Maize
Start	7338	End	9481
GI	none	Score	200
Exons	7338..7568, 7340..7537, 7353..7547, 7356..7463, 7357..7584, 9106..9297, 9166..9300, 9299..9481		

Seq. No.	15602	Seq. ID	OJ990617_04.9A01.C40
Gene No.	33000	Strand	-
Start	978	End	1190
Name	OJ990617_04.9A01.C40.o1.np	Method	AAT/NAP
Start	978	End	1190
GI	6478920	Score	117
Exons	978..1190		
GI Descrip.	(AC011436) putative glutathione transferase [Arabidopsis thaliana]		

Seq. No.	15603	Seq. ID	OJ990617_04.9A01.C42
Gene No.	33001	Strand	+
Start	1	End	706
Name	OJ990617_04.9A01.C42.o1.np	Method	AAT/NAP
Start	1	End	706
GI	6598711	Score	213
Exons	1..30, 112..706		
GI Descrip.	(AC007197) putative disease resistance protein [Arabidopsis thaliana]		

Seq. No.	15603	Seq. ID	OJ990617_04.9A01.C42
Gene No.	33001	Strand	+
Start	1	End	706
Name	OJ990617_04.9A01.C42.o1.gs	Method	GENSCAN
Start	93	End	641
GI	none	Score	.69
Exons	93..641		

Seq. No.	15603	Seq. ID	OJ990617_04.9A01.C42
Gene No.	33001	Strand	+
Start	1	End	706
Name	OJ990617_04.9A01.C42.o1.ts	Method	TBLASTX:Soybean
Start	168	End	698
GI	none	Score	157
Exons	168..500, 168..431, 234..572,	315..647, 378..695, 450..698	

Seq. No.	15603	Seq. ID	OJ990617_04.9A01.C42
Gene No.	33001	Strand	+
Start	1	End	706
Name	OJ990617_04.9A01.C42.o1.tw	Method	TBLASTX:Wheat
Start	168	End	704
GI	none	Score	171
Exons	168..461, 170..403, 170..310, 441..704	225..524, 309..605, 360..677,	

Seq. No.	15603	Seq. ID	OJ990617_04.9A01.C42
Gene No.	33001	Strand	+
Start	1	End	706
Name	OJ990617_04.9A01.C42.o1.tc	Method	TBLASTX:Cress
Start	186	End	698
GI	none	Score	192
Exons	186..524, 315..581, 345..668,	393..482, 402..698	

Seq. No.	15604	Seq. ID	OJ990617_04.9A01.C44
Gene No.	33002	Strand	-
Start	1	End	556
Name	OJ990617_04.9A01.C44.o1.np	Method	AAT/NAP
Start	1	End	556
GI	6006795	Score	178
Exons	1..337, 482..556		
GI Descrip.	(AF156780) nod factor binding lectin-nucleotide phosphohydrolase [Lotus japonicus]		

Seq. No.	15604	Seq. ID	OJ990617_04.9A01.C44
Gene No.	33002	Strand	-
Start	1	End	556

Name	OJ990617_04.9A01.C44.o1.gp	Method	AAT/GAP
Start	36	End	556
GI	29619_1.R1084	Score	574
Exons	36..337, 482..556		
GI Descrip.	'5257279/dbj\|BAA81778.1\| 0.0e+00 (AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]'		

Seq. No.	15604	Seq. ID	OJ990617_04.9A01.C44
Gene No.	33002	Strand	-
Start	1	End	556
Name	OJ990617_04.9A01.C44.o1.tm	Method	TBLASTX:Maize
Start	132	End	555
GI	none	Score	80
Exons	132..338, 135..338, 136..339, 478..555, 480..554		

Seq. No.	15605	Seq. ID	OJ990617_04.9A01.C45
Gene No.	33003	Strand	+
Start	1	End	684
Name	OJ990617_04.9A01.C45.o1.np	Method	AAT/NAP
Start	1	End	684
GI	6006795	Score	285
Exons	1..44, 178..234, 367..684		
GI Descrip.	(AF156780) nod factor binding lectin-nucleotide phosphohydrolase [Lotus japonicus]		

Seq. No.	15605	Seq. ID	OJ990617_04.9A01.C45
Gene No.	33003	Strand	+
Start	1	End	684
Name	OJ990617_04.9A01.C45.o1.tm	Method	TBLASTX:Maize
Start	177	End	642
GI	none	Score	82
Exons	177..236, 178..240, 355..642, 361..549, 366..641		

Seq. No.	15605	Seq. ID	OJ990617_04.9A01.C45
Gene No.	33003	Strand	+
Start	1	End	684
Name	OJ990617_04.9A01.C45.o1.gp	Method	AAT/GAP
Start	178	End	480
GI	4715162	Score	285
Exons	178..234, 367..480		
GI Descrip.	4868375/gb\|AAD31285.1\|AF139807_1 1.0e-29 (AF139807) nod factor binding lectin-nucleotide phosphohydrolase [Dolichos biflorus]		

Seq. No.	15605	Seq. ID	OJ990617_04.9A01.C45
Gene No.	33003	Strand	+
Start	1	End	684
Name	OJ990617_04.9A01.C45.o1.gs	Method	GENSCAN
Start	178	End	663
GI	none	Score	.83
Exons	178..234, 367..663		

Seq. No.	15605	Seq. ID	OJ990617_04.9A01.C45
Gene No.	33003	Strand	+
Start	1	End	684
Name	OJ990617_04.9A01.C45.o1.ts	Method	TBLASTX:Soybean
Start	178	End	654

GI	none	Score	59
Exons	178..240, 355..654, 366..608		

Seq. No.	15606	Seq. ID	OJ990617_04.9A01.C47
Gene No.	33004	Strand	+
Start	69	End	3931
Name	OJ990617_04.9A01.C47.o1.gs	Method	GENSCAN
Start	69	End	3772
GI	none	Score	.71
Exons	69..227, 982..1230, 1497..1625, 1868..1924, 2057..2355, 2634..2725, 2870..3084, 3296..3479, 3636..3772		

Seq. No.	15606	Seq. ID	OJ990617_04.9A01.C47
Gene No.	33004	Strand	+
Start	69	End	3931
Name	OJ990617_04.9A01.C47.o1.gp	Method	AAT/GAP
Start	997	End	3266
GI	29619_1.R1084	Score	1498
Exons	997..1230, 1497..1625, 1868..1924, 2634..2725, 2870..3266		
GI Descrip.	'5257279/dbj\|BAA81778.1\| 0.0e+00 (AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]'		

Seq. No.	15606	Seq. ID	OJ990617_04.9A01.C47
Gene No.	33004	Strand	+
Start	69	End	3931
Name	OJ990617_04.9A01.C47.o1.np	Method	AAT/NAP
Start	997	End	3775
GI	1709358	Score	839
Exons	997..1230, 1497..1625, 1868..1924, 2057..2355, 2634..2725, 2870..3084, 3296..3479, 3636..3775		
GI Descrip.	NUCLEOSIDE-TRIPHOSPHATASE (NUCLEOSIDE TRIPHOSPHATE PHOSPHOHYDROLASE) (NTPASE) gi\|629638\|pir\|\|S48859 nucleoside triphosphatase - garden pea gi\|2129890\|pir\|\|S65147 nucleoside triphosphatase precursor, chromatin-associated - garden pea gi\|563612\|emb\|CAA83655\| (Z32743) nucleoside triphosphatase [Pisum sativum] gi\|4519173\|dbj\|BAA75506.1\| (AB022319) apyrase [Pisum sativum]		

Seq. No.	15606	Seq. ID	OJ990617_04.9A01.C47
Gene No.	33004	Strand	+
Start	69	End	3931
Name	OJ990617_04.9A01.C47.o1.tw	Method	TBLASTX:Wheat
Start	1017	End	1918
GI	none	Score	186
Exons	1017..1232, 1066..1227, 1475..1624, 1495..1626, 1495..1626, 1497..1640, 1867..1917, 1868..1918		

Seq. No.	15606	Seq. ID	OJ990617_04.9A01.C47
Gene No.	33004	Strand	+
Start	69	End	3931
Name	OJ990617_04.9A01.C47.o1.ts	Method	TBLASTX:Soybean
Start	1119	End	3763
GI	none	Score	135
Exons	1119..1169, 1120..1230, 1497..1640, 1502..1624, 1868..1930, 2045..2353, 2056..2349, 2632..2730, 2868..3071, 2869..3075, 3290..3427, 3428..3481, 3635..3763		

Seq. No.	15606	Seq. ID	OJ990617_04.9A01.C47
Gene No.	33004	Strand	+
Start	69	End	3931
Name	OJ990617_04.9A01.C47.o1.tm	Method	TBLASTX:Maize
Start	1537	End	3760
GI	none	Score	95
Exons	1537..1584, 1541..1624, 1542..1640, 1867..1926, 1868..1930, 2045..2353, 2051..2239, 2056..2346, 2070..2354, 2236..2358, 2631..2675, 2632..2679, 2685..2726, 2686..2727, 2868..3086, 2869..3087, 3293..3421, 3295..3420, 3403..3480, 3419..3481, 3634..3756, 3635..3760		

Seq. No.	15606	Seq. ID	OJ990617_04.9A01.C47
Gene No.	33004	Strand	+
Start	69	End	3931
Name	OJ990617_04.9A01.C47.o2.gp	Method	AAT/GAP
Start	3291	End	3931
GI	4715163	Score	896
Exons	3291..3479, 3636..3931		
GI Descrip.	6002631/gb\|AAF00071.1\|AF093604_1 1.0e-23 (AF093604) apyrase [Arabidopsis thaliana]		

Seq. No.	15607	Seq. ID	OJ990617_04.9A01.C48
Gene No.	33005	Strand	-
Start	417	End	959
Name	OJ990617_04.9A01.C48.o1.gs	Method	GENSCAN
Start	417	End	959
GI	none	Score	.61
Exons	417..515, 738..959		

Seq. No.	15608	Seq. ID	OJ990617_04.9A01.C49
Gene No.	33006	Strand	-
Start	1	End	696
Name	OJ990617_04.9A01.C49.o1.np	Method	AAT/NAP
Start	1	End	696
GI	5042454	Score	240
Exons	1..49, 106..212, 546..696		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	15608	Seq. ID	OJ990617_04.9A01.C49
Gene No.	33006	Strand	-
Start	1	End	696
Name	OJ990617_04.9A01.C49.o1.gs	Method	GENSCAN
Start	106	End	606
GI	none	Score	.68
Exons	106..312, 550..606		

Seq. No.	15609	Seq. ID	OJ990617_04.9A01.C50
Gene No.	33007	Strand	-
Start	134	End	170
Name	OJ990617_04.9A01.C50.o1.gs	Method	GENSCAN
Start	134	End	170
GI	none	Score	.83
Exons	134..170		

Seq. No.	15610	Seq. ID	OJ990617_04.9A01.C53

Gene No.	33008	Strand	-
Start	20	End	2602
Name	OJ990617_04.9A01.C53.o1.gs	Method	GENSCAN
Start	20	End	2602
GI	none	Score	.81
Exons	20..728, 749..895, 937..1529, 1700..1862, 1888..2059, 2125..2306, 2413..2602		

Seq. No.	15610	Seq. ID	OJ990617_04.9A01.C53
Gene No.	33009	Strand	-
Start	4367	End	5388
Name	OJ990617_04.9A01.C53.o1.tm	Method	TBLASTX:Maize
Start	723	End	906
GI	none	Score	152
Exons	723..893, 729..893, 745..906		

Seq. No.	15610	Seq. ID	OJ990617_04.9A01.C53
Gene No.	33009	Strand	-
Start	4367	End	5388
Name	OJ990617_04.9A01.C53.o2.gs	Method	GENSCAN
Start	4367	End	5388
GI	none	Score	.62
Exons	4367..4443, 4921..5097, 5365..5388		

Seq. No.	15611	Seq. ID	OJ990617_04.9A01.C54
Gene No.	33010	Strand	-
Start	2946	End	3144
Name	OJ990617_04.9A01.C54.o1.gp	Method	AAT/GAP
Start	2946	End	3144
GI	27824_1.R1084	Score	360
Exons	2946..3144		
GI Descrip.	'4309732/gb\|AAD15502\| 7.0e-10 (AC006439) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	15612	Seq. ID	OJ990617_04.9A01.C55
Gene No.	33011	Strand	+
Start	15	End	179
Name	OJ990617_04.9A01.C55.o1.gs	Method	GENSCAN
Start	15	End	179
GI	none	Score	.7
Exons	15..179		

Seq. No.	15612	Seq. ID	OJ990617_04.9A01.C55
Gene No.	33012	Strand	-
Start	1	End	1583
Name	OJ990617_04.9A01.C55.o1.gp	Method	AAT/GAP
Start	1	End	276
GI	27824_1.R1084	Score	525
Exons	1..276		
GI Descrip.	'4309732/gb\|AAD15502\| 7.0e-10 (AC006439) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	15612	Seq. ID	OJ990617_04.9A01.C55
Gene No.	33012	Strand	-
Start	1	End	1583
Name	OJ990617_04.9A01.C55.o1.np	Method	AAT/NAP
Start	1	End	1583

GI	5091602	Score	120
Exons	1..145, 1481..1583		
GI Descrip.	(AC007858) 10A19I.6 [Oryza sativa]		

Seq. No.	15612	Seq. ID	OJ990617_04.9A01.C55
Gene No.	33013	Strand	-
Start	2145	End	2305
Name	OJ990617_04.9A01.C55.o2.gs	Method	GENSCAN
Start	2145	End	2305
GI	none	Score	.88
Exons	2145..2305		

Seq. No.	15613	Seq. ID	OJ990617_04.9A01.C56
Gene No.	33014	Strand	+
Start	1767	End	6608
Name	OJ990617_04.9A01.C56.o1.np	Method	AAT/NAP
Start	1767	End	5632
GI	6967106	Score	1260
Exons	1767..1805, 3245..3899, 5084..5632		
GI Descrip.	(AL132953) putative protein [Arabidopsis thaliana]		

Seq. No.	15613	Seq. ID	OJ990617_04.9A01.C56
Gene No.	33014	Strand	+
Start	1767	End	6608
Name	OJ990617_04.9A01.C56.o1.gs	Method	GENSCAN
Start	1909	End	2364
GI	none	Score	.5
Exons	1909..1995, 2084..2141, 2327..2364		

Seq. No.	15613	Seq. ID	OJ990617_04.9A01.C56
Gene No.	33014	Strand	+
Start	1767	End	6608
Name	OJ990617_04.9A01.C56.o2.gs	Method	GENSCAN
Start	2985	End	6608
GI	none	Score	.68
Exons	2985..3899, 5084..5530, 6534..6608		

Seq. No.	15613	Seq. ID	OJ990617_04.9A01.C56
Gene No.	33014	Strand	+
Start	1767	End	6608
Name	OJ990617_04.9A01.C56.o2.tm	Method	TBLASTX:Maize
Start	3038	End	3371
GI	none	Score	129
Exons	3038..3124, 3039..3164, 3174..3215, 3243..3335, 3245..3331, 3351..3371		

Seq. No.	15613	Seq. ID	OJ990617_04.9A01.C56
Gene No.	33014	Strand	+
Start	1767	End	6608
Name	OJ990617_04.9A01.C56.o3.ts	Method	TBLASTX:Soybean
Start	3356	End	3632
GI	none	Score	96
Exons	3356..3631, 3360..3437, 3522..3632		

Seq. No.	15613	Seq. ID	OJ990617_04.9A01.C56
Gene No.	33014	Strand	+
Start	1767	End	6608

Name	OJ990617_04.9A01.C56.o2.tc	Method	TBLASTX:Cress
Start	3479	End	3761
GI	none	Score	217
Exons	3479..3703, 3522..3722, 3735..3761		

Seq. No.	15613	Seq. ID	OJ990617_04.9A01.C56
Gene No.	33014	Strand	+
Start	1767	End	6608
Name	OJ990617_04.9A01.C56.o1.tm	Method	TBLASTX:Maize
Start	3697	End	5605
GI	none	Score	293
Exons	3697..3903, 3702..3899, 3709..3900, 5081..5605, 5082..5369, 5083..5604		

Seq. No.	15613	Seq. ID	OJ990617_04.9A01.C56
Gene No.	33014	Strand	+
Start	1767	End	6608
Name	OJ990617_04.9A01.C56.o1.tw	Method	TBLASTX:Wheat
Start	3837	End	5469
GI	none	Score	65
Exons	3837..3902, 5099..5467, 5134..5469		

Seq. No.	15613	Seq. ID	OJ990617_04.9A01.C56
Gene No.	33014	Strand	+
Start	1767	End	6608
Name	OJ990617_04.9A01.C56.o1.tc	Method	TBLASTX:Cress
Start	3846	End	5587
GI	none	Score	65
Exons	3846..3899, 5083..5517, 5084..5587		

Seq. No.	15613	Seq. ID	OJ990617_04.9A01.C56
Gene No.	33014	Strand	+
Start	1767	End	6608
Name	OJ990617_04.9A01.C56.o1.ts	Method	TBLASTX:Soybean
Start	5068	End	5329
GI	none	Score	342
Exons	5068..5292, 5069..5329, 5165..5329		

Seq. No.	15613	Seq. ID	OJ990617_04.9A01.C56
Gene No.	33014	Strand	+
Start	1767	End	6608
Name	OJ990617_04.9A01.C56.o1.gp	Method	AAT/GAP
Start	5098	End	5529
GI	LIB3431-003-P1-K1-G5	Score	810
Exons	5098..5529		
GI Descrip.	'6091757/gb\|AAF03467.1\|AC009327_6 2.0e-51 (AC009327) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	15613	Seq. ID	OJ990617_04.9A01.C56
Gene No.	33014	Strand	+
Start	1767	End	6608
Name	OJ990617_04.9A01.C56.o2.ts	Method	TBLASTX:Soybean
Start	5330	End	5578
GI	none	Score	257
Exons	5330..5578, 5330..5533, 5332..5568		

Seq. No.	15613	Seq. ID	OJ990617_04.9A01.C56

Gene No.	33014	Strand	+
Start	1767	End	6608
Name	OJ990617_04.9A01.C56.o2.gp	Method	AAT/GAP
Start	5542	End	5946
GI	none	Score	734
Exons	5542..5946		

Seq. No.	15614	Seq. ID	OJ990617_04.9A01.C57
Gene No.	33015	Strand	+
Start	726	End	913
Name	OJ990617_04.9A01.C57.o1.tc	Method	TBLASTX:Cress
Start	643	End	904
GI	none	Score	71
Exons	643..795, 671..778, 672..803,	764..904, 875..904	

Seq. No.	15614	Seq. ID	OJ990617_04.9A01.C57
Gene No.	33015	Strand	+
Start	726	End	913
Name	OJ990617_04.9A01.C57.o1.tm	Method	TBLASTX:Maize
Start	671	End	913
GI	none	Score	133
Exons	671..778, 672..803, 764..823,	839..913, 875..913	

Seq. No.	15614	Seq. ID	OJ990617_04.9A01.C57
Gene No.	33015	Strand	+
Start	726	End	913
Name	OJ990617_04.9A01.C57.o1.gs	Method	GENSCAN
Start	726	End	906
GI	none	Score	.48
Exons	726..906		

Seq. No.	15615	Seq. ID	OJ990617_04.9A01.C58
Gene No.	33016	Strand	+
Start	294	End	714
Name	OJ990617_04.9A01.C58.o1.gs	Method	GENSCAN
Start	294	End	694
GI	none	Score	.83
Exons	294..473, 632..694		

Seq. No.	15615	Seq. ID	OJ990617_04.9A01.C58
Gene No.	33016	Strand	+
Start	294	End	714
Name	OJ990617_04.9A01.C58.o1.gp	Method	AAT/GAP
Start	435	End	714
GI	15675_1.R1084	Score	237
Exons	435..473, 581..714		
GI Descrip.	'4204260 6.0e-09 (AC005223) 25568 [Arabidopsis thaliana]'		

Seq. No.	15616	Seq. ID	OJ990617_04.9A01.C61
Gene No.	33017	Strand	
Start	281	End	618
Name	OJ990617_04.9A01.C61.o1.tm	Method	TBLASTX:Maize
Start	281	End	597
GI	none	Score	102
Exons	281..367, 288..368, 303..368,	453..512, 454..498, 497..532,	
	498..554, 523..597, 525..590,	532..597	

Seq. No.	15616	Seq. ID	OJ990617_04.9A01.C61
Gene No.	33017	Strand	
Start	281	End	618
Name	OJ990617_04.9A01.C61.o1.ts	Method	TBLASTX:Soybean
Start	281	End	618
GI	none	Score	63
Exons	281..367, 318..368, 467..532,	468..554, 523..618	

Seq. No.	15617	Seq. ID	OJ990617_04.9A01.C62
Gene No.	33018	Strand	-
Start	220	End	485
Name	OJ990617_04.9A01.C62.o1.gp	Method	AAT/GAP
Start	220	End	485
GI	27824_1.R1084	Score	516
Exons	220..485		
GI Descrip.	'4309732/gb\|AAD15502\| 7.0e-10 (AC006439) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	15618	Seq. ID	OJ990427_01.9A14.C4
Gene No.	33019	Strand	+
Start	126	End	718
Name	OJ990427_01.9A14.C4.o1.np	Method	AAT/NAP
Start	126	End	718
GI	5305335	Score	187
Exons	126..718		
GI Descrip.	(AF071081) proline-rich mucin homolog [Mycobacterium tuberculosis]		

Seq. No.	15618	Seq. ID	OJ990427_01.9A14.C4
Gene No.	33020	Strand	-
Start	251	End	718
Name	OJ990427_01.9A14.C4.o1.gs	Method	GENSCAN
Start	251	End	718
GI	none	Score	.61
Exons	251..718		

Seq. No.	15619	Seq. ID	OJ990427_01.9A14.C6
Gene No.	33021	Strand	+
Start	152	End	400
Name	OJ990427_01.9A14.C6.o1.gs	Method	GENSCAN
Start	152	End	400
GI	none	Score	.95
Exons	152..400		

Seq. No.	15620	Seq. ID	OJ990427_01.9A14.C7
Gene No.	33022	Strand	+
Start	508	End	628
Name	OJ990427_01.9A14.C7.o1.gs	Method	GENSCAN
Start	508	End	628
GI	none	Score	.95
Exons	508..628		

Seq. No.	15621	Seq. ID	OJ990427_01.9A14.C8
Gene No.	33023	Strand	+
Start	576	End	655
Name	OJ990427_01.9A14.C8.o1.gs	Method	GENSCAN
Start	576	End	655

GI	none	Score	.75
Exons	576..655		

Seq. No.	15622	Seq. ID	OJ990427_01.9A14.C9
Gene No.	33024	Strand	-
Start	78	End	852
Name	OJ990427_01.9A14.C9.o1.gp	Method	AAT/GAP
Start	78	End	852
GI	5607609	Score	458
Exons	78..163, 665..852		

Seq. No.	15623	Seq. ID	OJ990427_01.9A14.C11
Gene No.	33025	Strand	-
Start	501	End	564
Name	OJ990427_01.9A14.C11.o1.gs	Method	GENSCAN
Start	501	End	564
GI	none	Score	.41
Exons	501..564		

Seq. No.	15624	Seq. ID	OJ990427_01.9A14.C13
Gene No.	33026	Strand	+
Start	411	End	624
Name	OJ990427_01.9A14.C13.o1.gs	Method	GENSCAN
Start	411	End	624
GI	none	Score	.62
Exons	411..624		

Seq. No.	15624	Seq. ID	OJ990427_01.9A14.C13
Gene No.	33027	Strand	-
Start	1	End	672
Name	OJ990427_01.9A14.C13.o1.np	Method	AAT/NAP
Start	1	End	672
GI	6498441	Score	938
Exons	1..672		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	15624	Seq. ID	OJ990427_01.9A14.C13
Gene No.	33027	Strand	-
Start	1	End	672
Name	OJ990427_01.9A14.C13.o1.tw	Method	TBLASTX:Wheat
Start	59	End	428
GI	none	Score	176
Exons	59..427, 63..326, 86..424, 372..428		

Seq. No.	15624	Seq. ID	OJ990427_01.9A14.C13
Gene No.	33027	Strand	-
Start	1	End	672
Name	OJ990427_01.9A14.C13.o1.tm	Method	TBLASTX:Maize
Start	203	End	554
GI	none	Score	178
Exons	203..250, 242..466, 255..467, 471..554		

Seq. No.	15625	Seq. ID	OJ990427_01.9A14.C14
Gene No.	33028	Strand	+
Start	1679	End	4966

Name	OJ990427_01.9A14.C14.o1.np	Method	AAT/NAP
Start	1679	End	4966
GI	6907089	Score	5128
Exons	1679..2940, 3035..4966		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	15625	Seq. ID	OJ990427_01.9A14.C14
Gene No.	33029	Strand	-
Start	130	End	611
Name	OJ990427_01.9A14.C14.o1.gs	Method	GENSCAN
Start	130	End	611
GI	none	Score	.76
Exons	130..300, 555..611		

Seq. No.	15625	Seq. ID	OJ990427_01.9A14.C14
Gene No.	33030	Strand	-
Start	5600	End	11695
Name	OJ990427_01.9A14.C14.o2.np	Method	AAT/NAP
Start	5600	End	11244
GI	6498441	Score	6944
Exons	5600..5881, 5975..7372, 7544..7840, 8033..8459, 8634..8768, 8952..9325, 9389..9852, 10183..11244		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	15625	Seq. ID	OJ990427_01.9A14.C14
Gene No.	33030	Strand	-
Start	5600	End	11695
Name	OJ990427_01.9A14.C14.o7.tw	Method	TBLASTX:Wheat
Start	5609	End	11695
GI	none	Score	79
Exons	5609..5734, 5613..5735, 5927..6211, 5928..6206, 11611..11631, 11621..11695		

Seq. No.	15625	Seq. ID	OJ990427_01.9A14.C14
Gene No.	33030	Strand	-
Start	5600	End	11695
Name	OJ990427_01.9A14.C14.o4.tw	Method	TBLASTX:Wheat
Start	6212	End	6593
GI	none	Score	168
Exons	6212..6592, 6243..6491, 6251..6589, 6537..6593		

Seq. No.	15625	Seq. ID	OJ990427_01.9A14.C14
Gene No.	33030	Strand	-
Start	5600	End	11695
Name	OJ990427_01.9A14.C14.o3.tm	Method	TBLASTX:Maize
Start	6368	End	6731
GI	none	Score	178
Exons	6368..6415, 6407..6631, 6420..6632, 6636..6731		

Seq. No.	15625	Seq. ID	OJ990427_01.9A14.C14
Gene No.	33030	Strand	-
Start	5600	End	11695
Name	OJ990427_01.9A14.C14.o8.tw	Method	TBLASTX:Wheat
Start	6923	End	7235
GI	none	Score	69

Exons	6923..7183, 7059..7235		
Seq. No.	15625	Seq. ID	OJ990427_01.9A14.C14
Gene No.	33030	Strand	-
Start	5600	End	11695
Name	OJ990427_01.9A14.C14.o2.ts	Method	TBLASTX:Soybean
Start	6983	End	7549
GI	5666795	Score	68
Exons	6983..7183, 7238..7375, 7451..7549		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		
Seq. No.	15625	Seq. ID	OJ990427_01.9A14.C14
Gene No.	33030	Strand	-
Start	5600	End	11695
Name	OJ990427_01.9A14.C14.o5.tw	Method	TBLASTX:Wheat
Start	7238	End	10695
GI	none	Score	88
Exons	7238..7387, 7239..7376, 7421..7672, 7422..7607, 7442..7696, 10642..10695		
Seq. No.	15625	Seq. ID	OJ990427_01.9A14.C14
Gene No.	33030	Strand	-
Start	5600	End	11695
Name	OJ990427_01.9A14.C14.o1.ts	Method	TBLASTX:Soybean
Start	8297	End	8668
GI	none	Score	91
Exons	8297..8668, 8493..8651		
Seq. No.	15625	Seq. ID	OJ990427_01.9A14.C14
Gene No.	33030	Strand	-
Start	5600	End	11695
Name	OJ990427_01.9A14.C14.o2.tw	Method	TBLASTX:Wheat
Start	8327	End	8747
GI	none	Score	316
Exons	8327..8746, 8334..8747		
Seq. No.	15625	Seq. ID	OJ990427_01.9A14.C14
Gene No.	33030	Strand	-
Start	5600	End	11695
Name	OJ990427_01.9A14.C14.o2.tm	Method	TBLASTX:Maize
Start	8420	End	8804
GI	none	Score	233
Exons	8420..8803, 8439..8804		
Seq. No.	15625	Seq. ID	OJ990427_01.9A14.C14
Gene No.	33030	Strand	-
Start	5600	End	11695
Name	OJ990427_01.9A14.C14.o1.tm	Method	TBLASTX:Maize
Start	8831	End	9187
GI	none	Score	125
Exons	8831..9136, 8831..9187, 8841..9152		
Seq. No.	15625	Seq. ID	OJ990427_01.9A14.C14
Gene No.	33030	Strand	-
Start	5600	End	11695
Name	OJ990427_01.9A14.C14.o1.tw	Method	TBLASTX:Wheat
Start	8855	End	9318

GI	none	Score	227
Exons	8855..9316, 8861..9316, 8862..9317, 8875..9318		

Seq. No.	15625	Seq. ID	OJ990427_01.9A14.C14
Gene No.	33030	Strand	-
Start	5600	End	11695
Name	OJ990427_01.9A14.C14.o3.ts	Method	TBLASTX:Soybean
Start	8912	End	9277
GI	none	Score	118
Exons	8912..9046, 9053..9277		

Seq. No.	15625	Seq. ID	OJ990427_01.9A14.C14
Gene No.	33030	Strand	-
Start	5600	End	11695
Name	OJ990427_01.9A14.C14.o3.tw	Method	TBLASTX:Wheat
Start	9482	End	9968
GI	none	Score	77
Exons	9482..9967, 9509..9763, 9513..9773, 9831..9968		

Seq. No.	15625	Seq. ID	OJ990427_01.9A14.C14
Gene No.	33030	Strand	-
Start	5600	End	11695
Name	OJ990427_01.9A14.C14.o6.tw	Method	TBLASTX:Wheat
Start	10703	End	11255
GI	none	Score	92
Exons	10703..10960, 10737..10976, 10943..11041, 10944..11036, 11048..11095, 11220..11255		

Seq. No.	15625	Seq. ID	OJ990427_01.9A14.C14
Gene No.	33030	Strand	-
Start	5600	End	11695
Name	OJ990427_01.9A14.C14.o4.tm	Method	TBLASTX:Maize
Start	10805	End	11090
GI	none	Score	92
Exons	10805..11053, 10806..11090		

Seq. No.	15626	Seq. ID	OJ990427_01.9A14.C15
Gene No.	33031	Strand	+
Start	1	End	2601
Name	OJ990427_01.9A14.C15.o1.np	Method	AAT/NAP
Start	1	End	2598
GI	3850583	Score	293
Exons	1..278, 930..1112, 1390..1662, 1717..1930, 2501..2598		
GI Descrip.	(AC005278) Contains similarity to transcription initiation factor IIE, alpha subunit gb\|X63468 from Homo sapiens. [Arabidopsis thaliana]		

Seq. No.	15626	Seq. ID	OJ990427_01.9A14.C15
Gene No.	33031	Strand	+
Start	1	End	2601
Name	OJ990427_01.9A14.C15.o1.gs	Method	GENSCAN
Start	1020	End	2601
GI	none	Score	.93
Exons	1020..1112, 1390..1608, 1717..1930, 2501..2601		

Seq. No.	15626	Seq. ID	OJ990427_01.9A14.C15
Gene No.	33032	Strand	+

Start	4183	End	4465
Name	OJ990427_01.9A14.C15.o2.gs	Method	GENSCAN
Start	4183	End	4465
GI	none	Score	.65
Exons	4183..4293, 4298..4465		

Seq. No.	15626	Seq. ID	OJ990427_01.9A14.C15
Gene No.	33033	Strand	+
Start	6746	End	9362
Name	OJ990427_01.9A14.C15.o4.gs	Method	GENSCAN
Start	6746	End	9362
GI	none	Score	.78
Exons	6746..7045, 7095..7349, 7416..7486, 7786..8002, 8088..9362		

Seq. No.	15626	Seq. ID	OJ990427_01.9A14.C15
Gene No.	33033	Strand	+
Start	6746	End	9362
Name	OJ990427_01.9A14.C15.o2.np	Method	AAT/NAP
Start	7777	End	9353
GI	4204095	Score	849
Exons	7777..9353		
GI Descrip.	(AF030260) CYP94A1 [Vicia sativa]		

Seq. No.	15626	Seq. ID	OJ990427_01.9A14.C15
Gene No.	33034	Strand	-
Start	4901	End	6241
Name	OJ990427_01.9A14.C15.o3.gs	Method	GENSCAN
Start	4901	End	6241
GI	none	Score	.97
Exons	4901..6241		

Seq. No.	15626	Seq. ID	OJ990427_01.9A14.C15
Gene No.	33035	Strand	-
Start	10301	End	10458
Name	OJ990427_01.9A14.C15.o1.gp	Method	AAT/GAP
Start	10301	End	10458
GI	3090639	Score	231
Exons	10301..10458		

Seq. No.	15626	Seq. ID	OJ990427_01.9A14.C15
Gene No.	33036	Strand	-
Start	11327	End	13795
Name	OJ990427_01.9A14.C15.o4.tm	Method	TBLASTX:Maize
Start	84	End	1064
GI	none	Score	193
Exons	84..275, 88..270, 911..1042, 919..1056, 921..1064		

Seq. No.	15626	Seq. ID	OJ990427_01.9A14.C15
Gene No.	33036	Strand	-
Start	11327	End	13795
Name	OJ990427_01.9A14.C15.o1.tm	Method	TBLASTX:Maize
Start	7895	End	8303
GI	none	Score	60
Exons	7895..7942, 7946..8074, 8065..8130, 8066..8161, 8066..8215, 8079..8303, 8079..8303		

Seq. No.	15626	Seq. ID	OJ990427_01.9A14.C15

Gene No.	33036	Strand	-
Start	11327	End	13795
Name	OJ990427_01.9A14.C15.o1.ts	Method	TBLASTX:Soybean
Start	8072	End	9338
GI	none	Score	193
Exons	8072..8215, 8079..8303, 8337..8450, 8457..8636, 8699..8842, 8700..8831, 8868..8939, 8880..9113, 8936..9112, 9113..9220, 9114..9260, 9282..9338		

Seq. No.	15626	Seq. ID	OJ990427_01.9A14.C15
Gene No.	33036	Strand	-
Start	11327	End	13795
Name	OJ990427_01.9A14.C15.o3.tc	Method	TBLASTX:Cress
Start	8072	End	8435
GI	none	Score	189
Exons	8072..8215, 8079..8303, 8346..8435		

Seq. No.	15626	Seq. ID	OJ990427_01.9A14.C15
Gene No.	33036	Strand	-
Start	11327	End	13795
Name	OJ990427_01.9A14.C15.o2.tm	Method	TBLASTX:Maize
Start	8346	End	9257
GI	none	Score	80
Exons	8346..8435, 8429..8452, 8532..8645, 8699..8809, 8843..9118, 8850..9119, 9141..9257, 9143..9217		

Seq. No.	15626	Seq. ID	OJ990427_01.9A14.C15
Gene No.	33036	Strand	-
Start	11327	End	13795
Name	OJ990427_01.9A14.C15.o1.tc	Method	TBLASTX:Cress
Start	8904	End	9233
GI	none	Score	240
Exons	8904..9116, 8942..9115, 9111..9233, 9143..9223		

Seq. No.	15626	Seq. ID	OJ990427_01.9A14.C15
Gene No.	33036	Strand	-
Start	11327	End	13795
Name	OJ990427_01.9A14.C15.o1.tw	Method	TBLASTX:Wheat
Start	8913	End	9257
GI	none	Score	228
Exons	8913..9116, 8930..9112, 9114..9257		

Seq. No.	15626	Seq. ID	OJ990427_01.9A14.C15
Gene No.	33036	Strand	-
Start	11327	End	13795
Name	OJ990427_01.9A14.C15.o5.gs	Method	GENSCAN
Start	11327	End	13792
GI	none	Score	.81
Exons	11327..13792		

Seq. No.	15626	Seq. ID	OJ990427_01.9A14.C15
Gene No.	33036	Strand	-
Start	11327	End	13795
Name	OJ990427_01.9A14.C15.o3.np	Method	AAT/NAP
Start	11342	End	13795
GI	5903044	Score	1492
Exons	11342..13795		

GI Descrip. (AC008016) Contains 3 PF|01535 DUF domains. [Arabidopsis thaliana]

Seq. No.	15626	Seq. ID	OJ990427_01.9A14.C15
Gene No.	33036	Strand	-
Start	11327	End	13795
Name	OJ990427_01.9A14.C15.o2.tc	Method	TBLASTX:Cress
Start	11516	End	13303
GI	none	Score	63
Exons	11516..11722, 11528..11659, 11780..12139, 11781..12044, 11786..11983, 11787..12143, 11789..12052, 11873..12055, 11873..12244, 11990..12181, 11991..12245, 11996..12367, 12095..12313, 12101..12508, 12200..12391, 12204..12518, 12206..12559, 12210..12578, 12287..12514, 12302..12715, 12387..12716, 12404..12583, 12419..12772, 12497..12706, 12498..12770, 12504..12875, 12524..12889, 12623..12826, 12626..12979, 12728..12907, 12734..13084, 12845..13165, 12920..13093, 12947..13294, 13043..13252, 13046..13294, 13115..13303		

Seq. No.	15626	Seq. ID	OJ990427_01.9A14.C15
Gene No.	33036	Strand	-
Start	11327	End	13795
Name	OJ990427_01.9A14.C15.o3.tm	Method	TBLASTX:Maize
Start	11519	End	13303
GI	none	Score	147
Exons	11519..11674, 11786..12253, 11789..12352, 11852..12454, 11945..12568, 12065..12664, 12248..12883, 12344..12988, 12458..13093, 12704..13303, 12881..13303		

Seq. No.	15626	Seq. ID	OJ990427_01.9A14.C15
Gene No.	33036	Strand	-
Start	11327	End	13795
Name	OJ990427_01.9A14.C15.o2.ts	Method	TBLASTX:Soybean
Start	11531	End	13432
GI	none	Score	71
Exons	11531..11698, 11774..12139, 11789..12469, 11789..12160, 11810..11947, 11900..12670, 11900..12262, 11901..12056, 11903..12769, 11916..12035, 11921..12034, 11996..12133, 12089..12232, 12113..12967, 12117..12278, 12138..12257, 12158..12325, 12344..13168, 12419..12547, 12420..12560, 12443..13063, 12450..12806, 12512..12874, 12545..13168, 12734..13069, 12734..12856, 12875..12988, 13046..13198, 13310..13432		

Seq. No.	15627	Seq. ID	OJ990427_01.9A14.C16
Gene No.	33037	Strand	-
Start	122	End	3802
Name	OJ990427_01.9A14.C16.o1.gp	Method	AAT/GAP
Start	122	End	657
GI	none	Score	748
Exons	122..454, 587..657		

Seq. No.	15627	Seq. ID	OJ990427_01.9A14.C16
Gene No.	33037	Strand	-
Start	122	End	3802
Name	OJ990427_01.9A14.C16.o1.gs	Method	GENSCAN

Start	225	End	3775
GI	none	Score	.72
Exons	225..454, 587..662, 824..982, 1049..1159, 1231..1338, 1445..1689, 2242..3775		

Seq. No.	15627	Seq. ID	OJ990427_01.9A14.C16
Gene No.	33037	Strand	-
Start	122	End	3802
Name	OJ990427_01.9A14.C16.o1.np	Method	AAT/NAP
Start	2237	End	3802
GI	4204095	Score	911
Exons	2237..3802		
GI Descrip.	(AF030260) CYP94A1 [Vicia sativa]		

Seq. No.	15627	Seq. ID	OJ990427_01.9A14.C16
Gene No.	33038	Strand	-
Start	5353	End	8787
Name	OJ990427_01.9A14.C16.o2.tc	Method	TBLASTX:Cress
Start	204	End	6688
GI	none	Score	52
Exons	204..317, 333..389, 369..455, 875..964, 882..959, 1061..1120, 1071..1118, 1267..1338, 1445..1507, 5326..5409, 5428..5547, 5769..5852, 5776..5853, 5951..6064, 6153..6275, 6214..6276, 6383..6460, 6387..6431, 6626..6688		

Seq. No.	15627	Seq. ID	OJ990427_01.9A14.C16
Gene No.	33038	Strand	-
Start	5353	End	8787
Name	OJ990427_01.9A14.C16.o2.tm	Method	TBLASTX:Maize
Start	390	End	6738
GI	none	Score	95
Exons	390..455, 552..659, 880..993, 881..994, 882..1004, 1046..1120, 1047..1121, 1055..1159, 1267..1338, 1286..1363, 1445..1507, 1574..1687, 5458..5547, 5480..5548, 5769..5852, 5776..5853, 5951..6082, 5964..6107, 5983..6078, 6033..6083, 6159..6272, 6160..6273, 6163..6273, 6167..6277, 6170..6286, 6383..6442, 6387..6443, 6388..6444, 6611..6676, 6615..6677, 6667..6738		

Seq. No.	15627	Seq. ID	OJ990427_01.9A14.C16
Gene No.	33038	Strand	-
Start	5353	End	8787
Name	OJ990427_01.9A14.C16.o1.ts	Method	TBLASTX:Soybean
Start	2252	End	3529
GI	none	Score	71
Exons	2252..2308, 2330..2476, 2376..2477, 2477..2710, 2478..2723, 2750..2890, 2799..2891, 2954..3115, 3164..3217, 3311..3529, 3375..3527		

Seq. No.	15627	Seq. ID	OJ990427_01.9A14.C16
Gene No.	33038	Strand	-
Start	5353	End	8787
Name	OJ990427_01.9A14.C16.o1.tm	Method	TBLASTX:Maize
Start	2333	End	3541
GI	none	Score	79
Exons	2333..2449, 2373..2447, 2471..2740, 2472..2744, 2738..2896, 2808..2891, 2973..3020, 3341..3529, 3375..3533, 3392..3541		

Seq. No.	15627	Seq. ID	OJ990427_01.9A14.C16
Gene No.	33038	Strand	-
Start	5353	End	8787
Name	OJ990427_01.9A14.C16.o1.tc	Method	TBLASTX:Cress
Start	2357	End	3533
GI	none	Score	61
Exons	2357..2461, 2376..2444, 2469..2609, 2471..2608, 2630..2722, 2637..2723, 2738..2887, 2805..2888, 2864..2932, 2945..3058, 3161..3211, 3341..3529, 3375..3533		

Seq. No.	15627	Seq. ID	OJ990427_01.9A14.C16
Gene No.	33038	Strand	-
Start	5353	End	8787
Name	OJ990427_01.9A14.C16.o1.tw	Method	TBLASTX:Wheat
Start	2492	End	2914
GI	none	Score	127
Exons	2492..2740, 2493..2744, 2738..2914, 2808..2891		

Seq. No.	15627	Seq. ID	OJ990427_01.9A14.C16
Gene No.	33038	Strand	-
Start	5353	End	8787
Name	OJ990427_01.9A14.C16.o2.gp	Method	AAT/GAP
Start	5333	End	5782
GI	none	Score	859
Exons	5333..5782		

Seq. No.	15627	Seq. ID	OJ990427_01.9A14.C16
Gene No.	33038	Strand	-
Start	5353	End	8787
Name	OJ990427_01.9A14.C16.o2.gs	Method	GENSCAN
Start	5353	End	8787
GI	none	Score	.88
Exons	5353..5546, 5818..6082, 6162..6272, 6611..6772, 8750..8787		

Seq. No.	15628	Seq. ID	OJ990427_01.9A14.C17
Gene No.	33039	Strand	+
Start	1	End	246
Name	OJ990427_01.9A14.C17.o1.np	Method	AAT/NAP
Start	1	End	246
GI	2191178	Score	130
Exons	1..246		
GI Descrip.	(AF007270) contains similarity to MIPP proteins [Arabidopsis thaliana]		

Seq. No.	15628	Seq. ID	OJ990427_01.9A14.C17
Gene No.	33040	Strand	+
Start	236	End	469
Name	OJ990427_01.9A14.C17.o1.gs	Method	GENSCAN
Start	236	End	469
GI	none	Score	.54
Exons	236..469		

Seq. No.	15629	Seq. ID	OJ990427_01.9A14.C18
Gene No.	33041	Strand	+
Start	430	End	1881
Name	OJ990427_01.9A14.C18.o1.np	Method	AAT/NAP
Start	430	End	965

GI	4510378	Score	245
Exons	430..965		
GI Descrip.	(AC007017) putative RING zinc finger protein [Arabidopsis thaliana]		

Seq. No.	15629	Seq. ID	OJ990427_01.9A14.C18
Gene No.	33041	Strand	+
Start	430	End	1881
Name	OJ990427_01.9A14.C18.o1.ts	Method	TBLASTX:Soybean
Start	497	End	947
GI	none	Score	81
Exons	497..577, 501..578, 753..947, 758..931		

Seq. No.	15629	Seq. ID	OJ990427_01.9A14.C18
Gene No.	33041	Strand	+
Start	430	End	1881
Name	OJ990427_01.9A14.C18.o2.np	Method	AAT/NAP
Start	573	End	1881
GI	5777617	Score	95
Exons	573..605, 1728..1881		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	15629	Seq. ID	OJ990427_01.9A14.C18
Gene No.	33041	Strand	+
Start	430	End	1881
Name	OJ990427_01.9A14.C18.o1.tm	Method	TBLASTX:Maize
Start	710	End	919
GI	none	Score	184
Exons	710..919, 711..881		

Seq. No.	15630	Seq. ID	OJ990427_01.9A14.C19
Gene No.	33042	Strand	+
Start	1088	End	1738
Name	OJ990427_01.9A14.C19.o1.tm	Method	TBLASTX:Maize
Start	1079	End	1674
GI	none	Score	76
Exons	1079..1189, 1196..1273, 1363..1431, 1382..1426, 1428..1565, 1447..1566, 1597..1674		

Seq. No.	15630	Seq. ID	OJ990427_01.9A14.C19
Gene No.	33042	Strand	+
Start	1088	End	1738
Name	OJ990427_01.9A14.C19.o1.gs	Method	GENSCAN
Start	1088	End	1726
GI	none	Score	.93
Exons	1088..1270, 1393..1726		

Seq. No.	15630	Seq. ID	OJ990427_01.9A14.C19
Gene No.	33042	Strand	+
Start	1088	End	1738
Name	OJ990427_01.9A14.C19.o1.np	Method	AAT/NAP
Start	1115	End	1738
GI	542058	Score	333
Exons	1115..1571, 1608..1738		
GI Descrip.	HSR203J protein - common tobacco gi\|444002\|emb\|CAA54393\| (X77136) HSR203J [Nicotiana tabacum]		

Seq. No.	15631	Seq. ID	OJ990427_01.9A14.C20
Gene No.	33043	Strand	+
Start	1	End	245
Name	OJ990427_01.9A14.C20.o1.np	Method	AAT/NAP
Start	1	End	242
GI	6092014	Score	151
Exons	1..242		
GI Descrip.	(AB026296) hsr203J homolog [Pisum sativum]		

Seq. No.	15631	Seq. ID	OJ990427_01.9A14.C20
Gene No.	33043	Strand	+
Start	1	End	245
Name	OJ990427_01.9A14.C20.o1.gs	Method	GENSCAN
Start	87	End	245
GI	none	Score	.98
Exons	87..245		

Seq. No.	15631	Seq. ID	OJ990427_01.9A14.C20
Gene No.	33044	Strand	+
Start	318	End	598
Name	OJ990427_01.9A14.C20.o1.gp	Method	AAT/GAP
Start	318	End	598
GI	none	Score	380
Exons	318..598		

Seq. No.	15631	Seq. ID	OJ990427_01.9A14.C20
Gene No.	33045	Strand	+
Start	2013	End	2189
Name	OJ990427_01.9A14.C20.o2.gp	Method	AAT/GAP
Start	2013	End	2189
GI	10431_1.R1084	Score	307
Exons	2013..2189		
GI Descrip.	'1256198/dbj\|D63711\|RICTNR3 4.0e-82 Rice transposon Tnr3 DNA, complete sequence'		

Seq. No.	15631	Seq. ID	OJ990427_01.9A14.C20
Gene No.	33046	Strand	-
Start	3716	End	4491
Name	OJ990427_01.9A14.C20.o2.gs	Method	GENSCAN
Start	3716	End	4491
GI	none	Score	.7
Exons	3716..3819, 3939..3993, 4019..4153, 4372..4491		

Seq. No.	15632	Seq. ID	OJ990427_01.9A14.C21
Gene No.	33047	Strand	+
Start	580	End	1682
Name	OJ990427_01.9A14.C21.o1.gp	Method	AAT/GAP
Start	580	End	880
GI	none	Score	598
Exons	580..880		

Seq. No.	15632	Seq. ID	OJ990427_01.9A14.C21
Gene No.	33047	Strand	+
Start	580	End	1682
Name	OJ990427_01.9A14.C21.o1.np	Method	AAT/NAP
Start	660	End	1682
GI	542058	Score	683

Exons	660..1682		
GI Descrip.	HSR203J protein - common tobacco gi\|444002\|emb\|CAA54393\| (X77136) HSR203J [Nicotiana tabacum]		

Seq. No.	15632	Seq. ID	OJ990427_01.9A14.C21
Gene No.	33048	Strand	+
Start	7052	End	8353
Name	OJ990427_01.9A14.C21.o3.gs	Method	GENSCAN
Start	7052	End	8338
GI	none	Score	.47
Exons	7052..8338		

Seq. No.	15632	Seq. ID	OJ990427_01.9A14.C21
Gene No.	33048	Strand	+
Start	7052	End	8353
Name	OJ990427_01.9A14.C21.o3.np	Method	AAT/NAP
Start	7271	End	8353
GI	4049341	Score	1173
Exons	7271..8353		
GI Descrip.	(AL034567) putative protein [Arabidopsis thaliana]		

Seq. No.	15632	Seq. ID	OJ990427_01.9A14.C21
Gene No.	33049	Strand	+
Start	11985	End	18202
Name	OJ990427_01.9A14.C21.o4.gs	Method	GENSCAN
Start	11985	End	18202
GI	none	Score	.63
Exons	11985..12401, 12484..12594, 13204..13344, 13423..13593, 13693..13897, 14019..14191, 14302..14332, 14531..14670, 14903..14956, 14992..15063, 15199..15382, 16352..16744, 17172..17279, 17617..17701, 17913..18133, 18168..18202		

Seq. No.	15632	Seq. ID	OJ990427_01.9A14.C21
Gene No.	33049	Strand	+
Start	11985	End	18202
Name	OJ990427_01.9A14.C21.o4.np	Method	AAT/NAP
Start	11985	End	14735
GI	2252863	Score	787
Exons	11985..12419, 12460..12617, 13191..13347, 13423..13597, 13691..13897, 14019..14191, 14293..14384, 14531..14624, 14679..14735		
GI Descrip.	(AF013294) similar to nucleolin protein [Arabidopsis thaliana]		

Seq. No.	15632	Seq. ID	OJ990427_01.9A14.C21
Gene No.	33049	Strand	+
Start	11985	End	18202
Name	OJ990427_01.9A14.C21.o4.gp	Method	AAT/GAP
Start	12201	End	13350
GI	2280544	Score	824
Exons	12201..12401, 12484..12594, 13204..13350		
GI Descrip.	2252863 3.0e-27 (AF013294) similar to nucleolin protein [Arabidopsis thaliana]		

Seq. No.	15632	Seq. ID	OJ990427_01.9A14.C21
Gene No.	33049	Strand	+
Start	11985	End	18202
Name	OJ990427_01.9A14.C21.o5.gp	Method	AAT/GAP

Start	13425	End	14324
GI	20710_1.R1084	Score	1022
Exons	13425..13593, 13693..13897, 14019..14191, 14302..14324		
GI Descrip.	'2252863 3.0e-27 (AF013294) similar to nucleolin protein [Arabidopsis thaliana]'		

Seq. No.	15632	Seq. ID	OJ990427_01.9A14.C21
Gene No.	33049	Strand	+
Start	11985	End	18202
Name	OJ990427_01.9A14.C21.o5.np	Method	AAT/NAP
Start	16207	End	16671
GI	4581120	Score	358
Exons	16207..16671		
GI Descrip.	(AC005825) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	15632	Seq. ID	OJ990427_01.9A14.C21
Gene No.	33049	Strand	+
Start	11985	End	18202
Name	OJ990427_01.9A14.C21.o6.np	Method	AAT/NAP
Start	17199	End	18119
GI	6498461	Score	801
Exons	17199..17279, 17504..17590, 17617..17701, 17796..18119		
GI Descrip.	(AP000816) hypothetical protein [Oryza sativa]		

Seq. No.	15632	Seq. ID	OJ990427_01.9A14.C21
Gene No.	33050	Strand	+
Start	21398	End	21915
Name	OJ990427_01.9A14.C21.o6.gs	Method	GENSCAN
Start	21398	End	21915
GI	none	Score	.98
Exons	21398..21915		

Seq. No.	15632	Seq. ID	OJ990427_01.9A14.C21
Gene No.	33051	Strand	-
Start	2714	End	5920
Name	OJ990427_01.9A14.C21.o2.gs	Method	GENSCAN
Start	2714	End	5920
GI	none	Score	.84
Exons	2714..2796, 3678..3714, 4957..5086, 5280..5476, 5771..5920		

Seq. No.	15632	Seq. ID	OJ990427_01.9A14.C21
Gene No.	33051	Strand	-
Start	2714	End	5920
Name	OJ990427_01.9A14.C21.o2.np	Method	AAT/NAP
Start	3407	End	5076
GI	4512415	Score	128
Exons	3407..3500, 3611..3714, 4957..5076		
GI Descrip.	(AB017508) rplX homologue (identity of 84% to B. subtilis) [Bacillus halodurans]		

Seq. No.	15632	Seq. ID	OJ990427_01.9A14.C21
Gene No.	33051	Strand	-
Start	2714	End	5920
Name	OJ990427_01.9A14.C21.o2.gp	Method	AAT/GAP
Start	3594	End	3716
GI	LIB3434-014-P1-K1-D7	Score	160
Exons	3594..3716		

GI Descrip.	'3861188/emb\|CAA15088\| 7.0e-18 (AJ235272) 50S RIBOSOMAL PROTEIN L24 (rplX) [Rickettsia prowazekii]'		
Seq. No.	15632	Seq. ID	OJ990427_01.9A14.C21
Gene No.	33051	Strand	-
Start	2714	End	5920
Name	OJ990427_01.9A14.C21.o3.gp	Method	AAT/GAP
Start	4953	End	5325
GI	LIB3434-014-P1-K1-D7	Score	448
Exons	4953..5052, 5140..5325		
GI Descrip.	'3861188/emb\|CAA15088\| 7.0e-18 (AJ235272) 50S RIBOSOMAL PROTEIN L24 (rplX) [Rickettsia prowazekii]'		
Seq. No.	15632	Seq. ID	OJ990427_01.9A14.C21
Gene No.	33052	Strand	-
Start	20586	End	20789
Name	OJ990427_01.9A14.C21.o5.gs	Method	GENSCAN
Start	20586	End	20789
GI	none	Score	.64
Exons	20586..20602, 20651..20789		
Seq. No.	15632	Seq. ID	OJ990427_01.9A14.C21
Gene No.	33053	Strand	-
Start	21380	End	21634
Name	OJ990427_01.9A14.C21.o3.tm	Method	TBLASTX:Maize
Start	678	End	1196
GI	none	Score	64
Exons	678..734, 737..826, 738..884, 878..976, 882..968, 962..1180, 978..1196, 1020..1181		
Seq. No.	15632	Seq. ID	OJ990427_01.9A14.C21
Gene No.	33053	Strand	-
Start	21380	End	21634
Name	OJ990427_01.9A14.C21.o4.ts	Method	TBLASTX:Soybean
Start	678	End	1445
GI	none	Score	71
Exons	678..734, 737..832, 738..833, 881..916, 882..968, 990..1085, 992..1084, 1128..1202, 1142..1201, 1236..1445, 1274..1384		
Seq. No.	15632	Seq. ID	OJ990427_01.9A14.C21
Gene No.	33053	Strand	-
Start	21380	End	21634
Name	OJ990427_01.9A14.C21.o5.tm	Method	TBLASTX:Maize
Start	1440	End	1776
GI	none	Score	113
Exons	1440..1568, 1548..1685, 1569..1685, 1741..1776		
Seq. No.	15632	Seq. ID	OJ990427_01.9A14.C21
Gene No.	33053	Strand	-
Start	21380	End	21634
Name	OJ990427_01.9A14.C21.o2.tw	Method	TBLASTX:Wheat
Start	2676	End	3715
GI	none	Score	122
Exons	2676..2795, 2714..2794, 2715..2798, 3365..3499, 3366..3500, 3368..3502, 3598..3714, 3608..3715, 3609..3713, 3610..3714		
Seq. No.	15632	Seq. ID	OJ990427_01.9A14.C21

Gene No.	33053	Strand	-
Start	21380	End	21634
Name	OJ990427_01.9A14.C21.o5.ts	Method	TBLASTX:Soybean
Start	2714	End	5208
GI	none	Score	87
Exons	2714..2794, 2721..2795, 3300..3320, 3363..3500, 3368..3499, 3371..3502, 3598..3714, 3610..3714, 4954..5052, 4955..5005, 5137..5208, 5138..5203		

Seq. No.	15632	Seq. ID	OJ990427_01.9A14.C21
Gene No.	33053	Strand	-
Start	21380	End	21634
Name	OJ990427_01.9A14.C21.o4.tm	Method	TBLASTX:Maize
Start	3423	End	5200
GI	none	Score	119
Exons	3423..3500, 3425..3502, 3425..3499, 3427..3501, 3598..3714, 3608..3715, 3610..3714, 4952..5005, 4952..5050, 4954..5052, 4956..5018, 4957..5055, 5131..5175, 5137..5199, 5138..5200		

Seq. No.	15632	Seq. ID	OJ990427_01.9A14.C21
Gene No.	33053	Strand	-
Start	21380	End	21634
Name	OJ990427_01.9A14.C21.o1.tm	Method	TBLASTX:Maize
Start	7312	End	8227
GI	none	Score	231
Exons	7312..7728, 7316..7453, 7517..7960, 7724..7960, 7955..8227, 7993..8190, 8057..8206		

Seq. No.	15632	Seq. ID	OJ990427_01.9A14.C21
Gene No.	33053	Strand	-
Start	21380	End	21634
Name	OJ990427_01.9A14.C21.o3.tw	Method	TBLASTX:Wheat
Start	7312	End	7453
GI	none	Score	229
Exons	7312..7452, 7316..7453		

Seq. No.	15632	Seq. ID	OJ990427_01.9A14.C21
Gene No.	33053	Strand	-
Start	21380	End	21634
Name	OJ990427_01.9A14.C21.o1.tc	Method	TBLASTX:Cress
Start	7316	End	7759
GI	none	Score	214
Exons	7316..7453, 7325..7438, 7333..7452, 7517..7759, 7540..7728		

Seq. No.	15632	Seq. ID	OJ990427_01.9A14.C21
Gene No.	33053	Strand	-
Start	21380	End	21634
Name	OJ990427_01.9A14.C21.o3.ts	Method	TBLASTX:Soybean
Start	7316	End	7708
GI	none	Score	217
Exons	7316..7453, 7319..7438, 7333..7452, 7517..7708, 7528..7692		

Seq. No.	15632	Seq. ID	OJ990427_01.9A14.C21
Gene No.	33053	Strand	-
Start	21380	End	21634
Name	OJ990427_01.9A14.C21.o1.tw	Method	TBLASTX:Wheat
Start	7577	End	7878

GI	none	Score	399
Exons	7577..7876, 7579..7728, 7724..7876, 7831..7878, 7834..7878		

Seq. No.	15632	Seq. ID	OJ990427_01.9A14.C21
Gene No.	33053	Strand	-
Start	21380	End	21634
Name	OJ990427_01.9A14.C21.o1.ts	Method	TBLASTX:Soybean
Start	7709	End	8227
GI	none	Score	339
Exons	7709..7957, 7724..7957, 7985..8140, 7999..8139, 8140..8190, 8141..8227		

Seq. No.	15632	Seq. ID	OJ990427_01.9A14.C21
Gene No.	33053	Strand	-
Start	21380	End	21634
Name	OJ990427_01.9A14.C21.o2.tm	Method	TBLASTX:Maize
Start	12230	End	14382
GI	none	Score	194
Exons	12230..12409, 12234..12404, 12303..12413, 12482..12595, 12493..12594, 13198..13344, 13199..13294, 13203..13361, 13203..13343, 13421..13558, 13422..13568, 13435..13590, 13435..13569, 13437..13580, 13686..13898, 13690..13917, 13692..13877, 13970..14065, 13974..14084, 14052..14138, 14056..14166, 14077..14139, 14154..14201, 14155..14202, 14298..14381, 14299..14382		

Seq. No.	15632	Seq. ID	OJ990427_01.9A14.C21
Gene No.	33053	Strand	-
Start	21380	End	21634
Name	OJ990427_01.9A14.C21.o2.ts	Method	TBLASTX:Soybean
Start	12258	End	14385
GI	none	Score	110
Exons	12258..12338, 12260..12337, 12351..12404, 13197..13322, 13204..13344, 13423..13602, 13440..13595, 13445..13603, 13671..13808, 13674..13802, 13690..13815, 13783..13920, 13818..13877, 14320..14385		

Seq. No.	15632	Seq. ID	OJ990427_01.9A14.C21
Gene No.	33053	Strand	-
Start	21380	End	21634
Name	OJ990427_01.9A14.C21.o2.tc	Method	TBLASTX:Cress
Start	12508	End	13731
GI	none	Score	81
Exons	12508..12594, 13201..13344, 13204..13347, 13437..13568, 13438..13590, 13687..13731		

Seq. No.	15632	Seq. ID	OJ990427_01.9A14.C21
Gene No.	33053	Strand	-
Start	21380	End	21634
Name	OJ990427_01.9A14.C21.o6.gp	Method	AAT/GAP
Start	21380	End	21634
GI	427569	Score	490
Exons	21380..21634		

Seq. No.	15633	Seq. ID	OJ990427_01.9A14.C22
Gene No.	33054	Strand	+
Start	1	End	1164

Name	OJ990427_01.9A14.C22.o1.np	Method	AAT/NAP
Start	1	End	943
GI	3461846	Score	635
Exons	1..943		
GI Descrip.	(AC005315) putative SCARECROW gene regulator [Arabidopsis thaliana]		

Seq. No.	15633	Seq. ID	OJ990427_01.9A14.C22
Gene No.	33054	Strand	+
Start	1	End	1164
Name	OJ990427_01.9A14.C22.o1.tc	Method	TBLASTX:Cress
Start	2	End	646
GI	none	Score	114
Exons	2..154, 197..346, 410..475, 476..646		

Seq. No.	15633	Seq. ID	OJ990427_01.9A14.C22
Gene No.	33054	Strand	+
Start	1	End	1164
Name	OJ990427_01.9A14.C22.o1.gs	Method	GENSCAN
Start	14	End	1164
GI	none	Score	.64
Exons	14..146, 185..1164		

Seq. No.	15633	Seq. ID	OJ990427_01.9A14.C22
Gene No.	33054	Strand	+
Start	1	End	1164
Name	OJ990427_01.9A14.C22.o1.tm	Method	TBLASTX:Maize
Start	17	End	934
GI	none	Score	98
Exons	17..145, 146..349, 152..265, 157..324, 347..382, 401..484, 466..606, 476..646, 632..784, 739..783, 862..933, 875..934		

Seq. No.	15633	Seq. ID	OJ990427_01.9A14.C22
Gene No.	33054	Strand	+
Start	1	End	1164
Name	OJ990427_01.9A14.C22.o1.ts	Method	TBLASTX:Soybean
Start	248	End	943
GI	none	Score	104
Exons	248..346, 467..646, 478..606, 737..784, 739..783, 862..930, 875..943		

Seq. No.	15634	Seq. ID	OJ990427_01.9A14.C23
Gene No.	33055	Strand	+
Start	2369	End	4104
Name	OJ990427_01.9A14.C23.o1.gs	Method	GENSCAN
Start	2369	End	4104
GI	none	Score	.45
Exons	2369..2461, 2645..2884, 3940..4104		

Seq. No.	15634	Seq. ID	OJ990427_01.9A14.C23
Gene No.	33055	Strand	+
Start	2369	End	4104
Name	OJ990427_01.9A14.C23.o3.gp	Method	AAT/GAP
Start	2908	End	3209
GI	uC-osflcyp154c08a1	Score	395
Exons	2908..3209		
GI Descrip.	'5701799/emb\|CAB52175.1\| 3.0e-29 (AJ245408) putative syntaxin		

protein [Arabidopsis thaliana]'

Seq. No.	15634	Seq. ID	OJ990427_01.9A14.C23
Gene No.	33056	Strand	+
Start	6891	End	7659
Name	OJ990427_01.9A14.C23.o1.np	Method	AAT/NAP
Start	6891	End	7659
GI	4680183	Score	175
Exons	6891..6959, 7570..7659		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	15634	Seq. ID	OJ990427_01.9A14.C23
Gene No.	33057	Strand	-
Start	397	End	986
Name	OJ990427_01.9A14.C23.o1.gp	Method	AAT/GAP
Start	397	End	986
GI	none	Score	1132
Exons	397..986		

Seq. No.	15634	Seq. ID	OJ990427_01.9A14.C23
Gene No.	33058	Strand	-
Start	1247	End	2501
Name	OJ990427_01.9A14.C23.o2.gp	Method	AAT/GAP
Start	1247	End	2501
GI	none	Score	2421
Exons	1247..2501		

Seq. No.	15634	Seq. ID	OJ990427_01.9A14.C23
Gene No.	33059	Strand	-
Start	4993	End	7537
Name	OJ990427_01.9A14.C23.o2.gs	Method	GENSCAN
Start	4993	End	7537
GI	none	Score	.44
Exons	4993..5316, 5381..5632, 5724..5809, 6127..6603, 7375..7537		

Seq. No.	15634	Seq. ID	OJ990427_01.9A14.C23
Gene No.	33059	Strand	-
Start	4993	End	7537
Name	OJ990427_01.9A14.C23.o1.tm	Method	TBLASTX:Maize
Start	5104	End	5461
GI	none	Score	192
Exons	5104..5319, 5107..5322, 5426..5461		

Seq. No.	15635	Seq. ID	OJ990427_01.9A14.C24
Gene No.	33060	Strand	+
Start	2292	End	2615
Name	OJ990427_01.9A14.C24.o1.gs	Method	GENSCAN
Start	2292	End	2615
GI	none	Score	.85
Exons	2292..2477, 2541..2615		

Seq. No.	15635	Seq. ID	OJ990427_01.9A14.C24
Gene No.	33061	Strand	-
Start	1	End	3173
Name	OJ990427_01.9A14.C24.o1.np	Method	AAT/NAP
Start	1	End	3173
GI	4755191	Score	66

Exons	1..67, 816..999, 3145..3173		
GI Descrip.	(AC007018) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	15636	Seq. ID	OJ990427_01.9A14.C25
Gene No.	33062	Strand	+
Start	67	End	4194
Name	OJ990427_01.9A14.C25.o1.gs	Method	GENSCAN
Start	67	End	4176
GI	none	Score	.91
Exons	67..220, 1271..1325, 1415..3357, 3432..3590, 3761..3932, 4034..4176		

Seq. No.	15636	Seq. ID	OJ990427_01.9A14.C25
Gene No.	33062	Strand	+
Start	67	End	4194
Name	OJ990427_01.9A14.C25.o1.tc	Method	TBLASTX:Cress
Start	1265	End	4167
GI	none	Score	54
Exons	1265..1330, 1270..1311, 1428..1610, 1429..1599, 1580..2059, 1600..2613, 1623..2291, 1903..2316, 2371..2583, 2373..2615, 2667..3308, 2680..3360, 3426..3593, 3426..3593, 3427..3594, 3428..3616, 3758..3934, 3802..3933, 3988..4140, 4002..4142, 4117..4167		

Seq. No.	15636	Seq. ID	OJ990427_01.9A14.C25
Gene No.	33062	Strand	+
Start	67	End	4194
Name	OJ990427_01.9A14.C25.o3.tm	Method	TBLASTX:Maize
Start	1266	End	1734
GI	none	Score	45
Exons	1266..1304, 1274..1330, 1294..1329, 1426..1524, 1446..1499, 1479..1730, 1489..1734		

Seq. No.	15636	Seq. ID	OJ990427_01.9A14.C25
Gene No.	33062	Strand	+
Start	67	End	4194
Name	OJ990427_01.9A14.C25.o1.np	Method	AAT/NAP
Start	1271	End	4194
GI	2618691	Score	2715
Exons	1271..1325, 1415..3357, 3432..3590, 3761..3932, 4034..4194		
GI Descrip.	(AC002510) putative Ca2+-ATPase [Arabidopsis thaliana]		

Seq. No.	15636	Seq. ID	OJ990427_01.9A14.C25
Gene No.	33062	Strand	+
Start	67	End	4194
Name	OJ990427_01.9A14.C25.o3.ts	Method	TBLASTX:Soybean
Start	1594	End	1929
GI	none	Score	301
Exons	1594..1929, 1596..1829		

Seq. No.	15636	Seq. ID	OJ990427_01.9A14.C25
Gene No.	33062	Strand	+
Start	67	End	4194
Name	OJ990427_01.9A14.C25.o2.tm	Method	TBLASTX:Maize
Start	1881	End	2592
GI	none	Score	539

Exons	1881..2582, 1882..2289, 2332..2592		
Seq. No.	15636	Seq. ID	OJ990427_01.9A14.C25
Gene No.	33062	Strand	+
Start	67	End	4194
Name	OJ990427_01.9A14.C25.o2.ts	Method	TBLASTX:Soybean
Start	2019	End	2736
GI	none	Score	84
Exons	2019..2732, 2022..2267, 2023..2736		
Seq. No.	15636	Seq. ID	OJ990427_01.9A14.C25
Gene No.	33062	Strand	+
Start	67	End	4194
Name	OJ990427_01.9A14.C25.o1.tw	Method	TBLASTX:Wheat
Start	2457	End	2799
GI	none	Score	53
Exons	2457..2594, 2457..2777, 2458..2619, 2459..2620, 2680..2799		
Seq. No.	15636	Seq. ID	OJ990427_01.9A14.C25
Gene No.	33062	Strand	+
Start	67	End	4194
Name	OJ990427_01.9A14.C25.o1.tm	Method	TBLASTX:Maize
Start	2689	End	4167
GI	none	Score	695
Exons	2689..3360, 2706..3305, 3274..3360, 3426..3593, 3428..3595, 3430..3594, 3758..3934, 3758..3880, 3759..3899, 3802..3933, 3988..4140, 4017..4142, 4032..4142, 4117..4167		
Seq. No.	15636	Seq. ID	OJ990427_01.9A14.C25
Gene No.	33062	Strand	+
Start	67	End	4194
Name	OJ990427_01.9A14.C25.o1.ts	Method	TBLASTX:Soybean
Start	2740	End	4194
GI	none	Score	671
Exons	2740..3360, 2740..2982, 2742..3308, 3127..3360, 3408..3590, 3426..3593, 3430..3591, 3431..3595, 3758..3934, 3758..3877, 3802..3933, 3988..4140, 4023..4139, 4117..4167, 4153..4194		
Seq. No.	15637	Seq. ID	OJ990427_01.9A14.C26
Gene No.	33063	Strand	+
Start	1	End	11914
Name	OJ990427_01.9A14.C26.o1.np	Method	AAT/NAP
Start	1	End	992
GI	6735312	Score	661
Exons	1..412, 687..992		
GI Descrip.	(AL137080) Ca2+-transporting ATPase-like protein [Arabidopsis thaliana]		
Seq. No.	15637	Seq. ID	OJ990427_01.9A14.C26
Gene No.	33063	Strand	+
Start	1	End	11914
Name	OJ990427_01.9A14.C26.o2.np	Method	AAT/NAP
Start	1	End	11700
GI	1491621	Score	116
Exons	1..35, 2827..3068, 3692..3751, 8267..8487, 9475..9779, 11601..11700		
GI Descrip.	(Z78205) UL36 [Bovine herpesvirus 1] gi\|2653311\|emb\|CAA06097\|		

(AJ004801) very large virion protein (tegument) [Bovine herpesvirus type 1.1]

Seq. No.	15637	Seq. ID	OJ990427_01.9A14.C26
Gene No.	33063	Strand	+
Start	1	End	11914
Name	OJ990427_01.9A14.C26.o1.gp	Method	AAT/GAP
Start	114	End	1246
GI	10910_1.R1084	Score	1609
Exons	114..412, 687..1246		
GI Descrip.	'1805654/emb\|CAA68234\| 2.0e-63 (X99972) calmodulin-stimulated calcium-ATPase [Brassica oleracea]'		

Seq. No.	15637	Seq. ID	OJ990427_01.9A14.C26
Gene No.	33063	Strand	+
Start	1	End	11914
Name	OJ990427_01.9A14.C26.o1.gs	Method	GENSCAN
Start	114	End	992
GI	none	Score	.75
Exons	114..412, 687..992		

Seq. No.	15637	Seq. ID	OJ990427_01.9A14.C26
Gene No.	33063	Strand	+
Start	1	End	11914
Name	OJ990427_01.9A14.C26.o4.np	Method	AAT/NAP
Start	5830	End	11914
GI	5295955	Score	238
Exons	5830..5864, 8237..8467, 8509..8805, 10665..10782, 11527..11595, 11629..11914		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	15637	Seq. ID	OJ990427_01.9A14.C26
Gene No.	33063	Strand	+
Start	1	End	11914
Name	OJ990427_01.9A14.C26.o3.gp	Method	AAT/GAP
Start	8233	End	8841
GI	14262_1.R1084	Score	852
Exons	8233..8734, 8778..8841		
GI Descrip.	'6056209/gb\|AAF02826.1\|AC009400_22 7.0e-17 (AC009400) unknown protein [Arabidopsis thaliana]'		

Seq. No.	15637	Seq. ID	OJ990427_01.9A14.C26
Gene No.	33064	Strand	-
Start	1523	End	2620
Name	OJ990427_01.9A14.C26.o2.gs	Method	GENSCAN
Start	1523	End	2620
GI	none	Score	1
Exons	1523..2620		

Seq. No.	15637	Seq. ID	OJ990427_01.9A14.C26
Gene No.	33065	Strand	-
Start	6022	End	11823
Name	OJ990427_01.9A14.C26.o1.tc	Method	TBLASTX:Cress
Start	68	End	928
GI	none	Score	360
Exons	68..415, 97..285, 119..415, 678..926, 684..923, 686..928		

Seq. No.	15637	Seq. ID	OJ990427_01.9A14.C26
Gene No.	33065	Strand	-
Start	6022	End	11823
Name	OJ990427_01.9A14.C26.o1.tm	Method	TBLASTX:Maize
Start	68	End	731
GI	none	Score	361
Exons	68..415, 110..412, 684..731		

Seq. No.	15637	Seq. ID	OJ990427_01.9A14.C26
Gene No.	33065	Strand	-
Start	6022	End	11823
Name	OJ990427_01.9A14.C26.o1.ts	Method	TBLASTX:Soybean
Start	68	End	1003
GI	none	Score	423
Exons	68..415, 109..432, 677..886, 684..857, 905..1003, 909..983		

Seq. No.	15637	Seq. ID	OJ990427_01.9A14.C26
Gene No.	33065	Strand	-
Start	6022	End	11823
Name	OJ990427_01.9A14.C26.o4.tm	Method	TBLASTX:Maize
Start	732	End	1003
GI	none	Score	102
Exons	732..923, 732..923, 793..924, 927..998, 941..1003		

Seq. No.	15637	Seq. ID	OJ990427_01.9A14.C26
Gene No.	33065	Strand	-
Start	6022	End	11823
Name	OJ990427_01.9A14.C26.o2.gp	Method	AAT/GAP
Start	5694	End	8199
GI	16175_1.R1084	Score	1286
Exons	5694..6126, 6834..7009, 7111..7157, 8170..8199		
GI Descrip.	'6056209/gb\|AAF02826.1\|AC009400_22 1.0e-36 (AC009400) unknown protein [Arabidopsis thaliana]'		

Seq. No.	15637	Seq. ID	OJ990427_01.9A14.C26
Gene No.	33065	Strand	-
Start	6022	End	11823
Name	OJ990427_01.9A14.C26.o2.tm	Method	TBLASTX:Maize
Start	5924	End	7033
GI	none	Score	148
Exons	5924..5956, 6022..6132, 6023..6136, 6218..6235, 6831..7007, 6831..6998, 6833..7033		

Seq. No.	15637	Seq. ID	OJ990427_01.9A14.C26
Gene No.	33065	Strand	-
Start	6022	End	11823
Name	OJ990427_01.9A14.C26.o3.np	Method	AAT/NAP
Start	6021	End	9603
GI	6056209	Score	687
Exons	6021..6126, 6834..7009, 7111..7157, 8170..8710, 9503..9603		
GI Descrip.	(AC009400) unknown protein [Arabidopsis thaliana]		

Seq. No.	15637	Seq. ID	OJ990427_01.9A14.C26
Gene No.	33065	Strand	-
Start	6022	End	11823
Name	OJ990427_01.9A14.C26.o2.ts	Method	TBLASTX:Soybean

Start	6022	End	8257
GI	none	Score	111
Exons	6022..6132, 6026..6136, 6218..6235, 6831..7010, 6833..7012, 7106..7159, 7111..7158, 8168..8257, 8169..8255		

Seq. No.	15637	Seq. ID	OJ990427_01.9A14.C26
Gene No.	33065	Strand	-
Start	6022	End	11823
Name	OJ990427_01.9A14.C26.o3.gs	Method	GENSCAN
Start	6022	End	11823
GI	none	Score	.59
Exons	6022..6126, 6218..6236, 6834..7009, 7111..7157, 8170..8493, 8565..8906, 8999..9120, 9357..9411, 9640..9818, 11639..11823		

Seq. No.	15637	Seq. ID	OJ990427_01.9A14.C26
Gene No.	33065	Strand	-
Start	6022	End	11823
Name	OJ990427_01.9A14.C26.o3.tm	Method	TBLASTX:Maize
Start	7082	End	8303
GI	none	Score	78
Exons	7082..7159, 7111..7158, 8168..8302, 8169..8303		

Seq. No.	15637	Seq. ID	OJ990427_01.9A14.C26
Gene No.	33065	Strand	-
Start	6022	End	11823
Name	OJ990427_01.9A14.C26.o2.tc	Method	TBLASTX:Cress
Start	8213	End	8374
GI	none	Score	63
Exons	8213..8374, 8301..8372		

Seq. No.	15637	Seq. ID	OJ990427_01.9A14.C26
Gene No.	33065	Strand	-
Start	6022	End	11823
Name	OJ990427_01.9A14.C26.o4.gp	Method	AAT/GAP
Start	8534	End	8807
GI	none	Score	496
Exons	8534..8807		

Seq. No.	15638	Seq. ID	OJ990427_01.9A14.C27
Gene No.	33066	Strand	+
Start	709	End	3736
Name	OJ990427_01.9A14.C27.o1.gs	Method	GENSCAN
Start	709	End	3736
GI	none	Score	.84
Exons	709..802, 1135..1496, 1796..1893, 2038..2120, 2212..2328, 3635..3736		

Seq. No.	15638	Seq. ID	OJ990427_01.9A14.C27
Gene No.	33066	Strand	+
Start	709	End	3736
Name	OJ990427_01.9A14.C27.o1.gp	Method	AAT/GAP
Start	1229	End	2090
GI	5607608	Score	763
Exons	1229..1496, 1796..1893, 2038..2090		

Seq. No.	15638	Seq. ID	OJ990427_01.9A14.C27
Gene No.	33066	Strand	+

Start	709	End	3736
Name	OJ990427_01.9A14.C27.o2.gp	Method	AAT/GAP
Start	2208	End	2596
GI	none	Score	674
Exons	2208..2596		

Seq. No.	15638	Seq. ID	OJ990427_01.9A14.C27
Gene No.	33067	Strand	+
Start	4228	End	4586
Name	OJ990427_01.9A14.C27.o1.tm	Method	TBLASTX:Maize
Start	1790	End	3069
GI	none	Score	124
Exons	1790..1894, 1794..1895, 2028..2120, 2039..2110, 2055..2120, 2185..2337, 2210..2272, 2211..2336, 2218..2361, 2628..2690, 2694..2714, 2846..2923, 2847..2924, 2865..2927, 2866..2928, 2989..3069, 3006..3068, 3007..3069		

Seq. No.	15638	Seq. ID	OJ990427_01.9A14.C27
Gene No.	33067	Strand	+
Start	4228	End	4586
Name	OJ990427_01.9A14.C27.o3.gp	Method	AAT/GAP
Start	4228	End	4586
GI	5607609	Score	322
Exons	4228..4444, 4531..4586		

Seq. No.	15639	Seq. ID	OJ990427_01.9A14.C28
Gene No.	33068	Strand	+
Start	309	End	845
Name	OJ990427_01.9A14.C28.o1.gp	Method	AAT/GAP
Start	309	End	845
GI	5607609	Score	800
Exons	309..392, 490..845		

Seq. No.	15639	Seq. ID	OJ990427_01.9A14.C28
Gene No.	33069	Strand	-
Start	972	End	3807
Name	OJ990427_01.9A14.C28.o1.tm	Method	TBLASTX:Maize
Start	300	End	731
GI	none	Score	127
Exons	300..392, 301..393, 310..393, 459..650, 477..647, 630..683, 638..730, 638..685, 640..699, 643..729, 681..731		

Seq. No.	15639	Seq. ID	OJ990427_01.9A14.C28
Gene No.	33069	Strand	-
Start	972	End	3807
Name	OJ990427_01.9A14.C28.o1.gs	Method	GENSCAN
Start	972	End	3366
GI	none	Score	.82
Exons	972..1019, 1911..1940, 2132..2224, 2499..2599, 2700..2772, 3016..3177, 3335..3366		

Seq. No.	15639	Seq. ID	OJ990427_01.9A14.C28
Gene No.	33069	Strand	-
Start	972	End	3807
Name	OJ990427_01.9A14.C28.o2.gp	Method	AAT/GAP
Start	1031	End	1939
GI	none	Score	804

Exons	1031..1423, 1911..1939		
Seq. No.	15639	Seq. ID	OJ990427_01.9A14.C28
Gene No.	33069	Strand	-
Start	972	End	3807
Name	OJ990427_01.9A14.C28.o3.tm	Method	TBLASTX:Maize
Start	1346	End	2610
GI	none	Score	58
Exons	1346..1390, 1347..1391, 1347..1409, 1348..1392, 1388..1423, 1389..1424, 1389..1424, 1391..1426, 1911..1958, 1913..2005, 1913..1957, 2132..2218, 2132..2227, 2133..2225, 2485..2610, 2500..2607		
Seq. No.	15639	Seq. ID	OJ990427_01.9A14.C28
Gene No.	33069	Strand	-
Start	972	End	3807
Name	OJ990427_01.9A14.C28.o1.np	Method	AAT/NAP
Start	1354	End	3767
GI	1653775	Score	351
Exons	1354..1423, 1911..1957, 2132..2224, 2499..2658, 3016..3177, 3440..3554, 3676..3767		
GI Descrip.	(D90916) thiol:disulfide interchange protein DsbD [Synechocystis sp.]		
Seq. No.	15639	Seq. ID	OJ990427_01.9A14.C28
Gene No.	33069	Strand	-
Start	972	End	3807
Name	OJ990427_01.9A14.C28.o2.tm	Method	TBLASTX:Maize
Start	2706	End	3566
GI	none	Score	83
Exons	2706..2774, 2706..2798, 3013..3177, 3014..3178, 3014..3178, 3015..3179, 3332..3367, 3333..3368, 3430..3534, 3461..3538, 3468..3566, 3468..3533		
Seq. No.	15639	Seq. ID	OJ990427_01.9A14.C28
Gene No.	33069	Strand	-
Start	972	End	3807
Name	OJ990427_01.9A14.C28.o3.gp	Method	AAT/GAP
Start	2728	End	3807
GI	6761_1.R1084	Score	777
Exons	2728..2772, 3016..3177, 3335..3366, 3469..3554, 3676..3807		
GI Descrip.	'3184559 4.0e-28 (AF052290) putative c-type cytochrome biogenesis protein [Synechococcus PCC7002]'		
Seq. No.	15639	Seq. ID	OJ990427_01.9A14.C28
Gene No.	33069	Strand	-
Start	972	End	3807
Name	OJ990427_01.9A14.C28.o1.ts	Method	TBLASTX:Soybean
Start	3013	End	3794
GI	none	Score	169
Exons	3013..3177, 3017..3178, 3332..3367, 3461..3544, 3468..3557, 3485..3562, 3670..3786, 3676..3759, 3678..3794, 3678..3767		
Seq. No.	15640	Seq. ID	OJ990427_01.9A14.C29
Gene No.	33070	Strand	+
Start	122	End	11123
Name	OJ990427_01.9A14.C29.o1.gp	Method	AAT/GAP

Start	122	End	590
GI	6761_1.R1084	Score	478
Exons	122..149, 250..590		
GI Descrip.	'3184559 4.0e-28 (AF052290) putative c-type cytochrome biogenesis protein [Synechococcus PCC7002]'		

Seq. No.	15640	Seq. ID	OJ990427_01.9A14.C29
Gene No.	33070	Strand	+
Start	122	End	11123
Name	OJ990427_01.9A14.C29.o1.gs	Method	GENSCAN
Start	307	End	10925
GI	none	Score	.75
Exons	307..438, 808..1011, 2135..2279, 4489..5242, 6901..7088, 7093..7256, 7300..7455, 7643..7729, 7858..7962, 8160..8321, 9053..9124, 9701..9978, 10691..10925		

Seq. No.	15640	Seq. ID	OJ990427_01.9A14.C29
Gene No.	33070	Strand	+
Start	122	End	11123
Name	OJ990427_01.9A14.C29.o2.gp	Method	AAT/GAP
Start	736	End	1011
GI	none	Score	413
Exons	736..1011		

Seq. No.	15640	Seq. ID	OJ990427_01.9A14.C29
Gene No.	33070	Strand	+
Start	122	End	11123
Name	OJ990427_01.9A14.C29.o1.np	Method	AAT/NAP
Start	3452	End	4786
GI	4678923	Score	167
Exons	3452..3522, 4341..4786		
GI Descrip.	(AL049711) putative protein [Arabidopsis thaliana]		

Seq. No.	15640	Seq. ID	OJ990427_01.9A14.C29
Gene No.	33070	Strand	+
Start	122	End	11123
Name	OJ990427_01.9A14.C29.o4.gp	Method	AAT/GAP
Start	7061	End	11123
GI	240_1.R1084	Score	2296
Exons	7061..7299, 7408..7530, 7643..7729, 7858..7962, 8160..8320, 8887..8928, 9058..9124, 9701..9822, 9927..9978, 10691..11123		
GI Descrip.	'984756/emb\|CAA90866\| 1.0e-171 (Z54153) chilling-inducible protein [Oryza sativa]'		

Seq. No.	15640	Seq. ID	OJ990427_01.9A14.C29
Gene No.	33070	Strand	+
Start	122	End	11123
Name	OJ990427_01.9A14.C29.o2.np	Method	AAT/NAP
Start	7141	End	10922
GI	984756	Score	1448
Exons	7141..7299, 7408..7530, 7643..7729, 7858..7962, 8160..8319, 8888..8928, 9058..9124, 9701..9819, 9924..9978, 10691..10922		
GI Descrip.	(Z54153) chilling-inducible protein [Oryza sativa]		

Seq. No.	15640	Seq. ID	OJ990427_01.9A14.C29
Gene No.	33071	Strand	-
Start	4487	End	4763

Name	OJ990427_01.9A14.C29.o2.tm	Method	TBLASTX:Maize
Start	4487	End	4643
GI	none	Score	94
Exons	4487..4585, 4504..4638, 4505..4639, 4506..4643		

Seq. No.	15640	Seq. ID	OJ990427_01.9A14.C29
Gene No.	33071	Strand	-
Start	4487	End	4763
Name	OJ990427_01.9A14.C29.o3.gp	Method	AAT/GAP
Start	4487	End	4648
GI	none	Score	296
Exons	4487..4648		

Seq. No.	15640	Seq. ID	OJ990427_01.9A14.C29
Gene No.	33071	Strand	-
Start	4487	End	4763
Name	OJ990427_01.9A14.C29.o1.tc	Method	TBLASTX:Cress
Start	4506	End	4763
GI	none	Score	258
Exons	4506..4763, 4506..4763		

Seq. No.	15640	Seq. ID	OJ990427_01.9A14.C29
Gene No.	33072	Strand	
Start	7129	End	10940
Name	OJ990427_01.9A14.C29.o1.tm	Method	TBLASTX:Maize
Start	7129	End	10940
GI	none	Score	73
Exons	7129..7194, 7138..7188, 7245..7295, 7405..7533, 7405..7530, 7407..7532, 7613..7729, 7636..7731, 7639..7731, 7853..7969, 7855..7968, 7857..7976, 7857..7976, 8158..8256, 8159..8278, 8159..8269, 8268..8324, 8886..8924, 8887..8928, 9025..9126, 9052..9126, 9698..9979, 9700..10017, 9701..9979, 10688..10924, 10689..10931, 10788..10940		

Seq. No.	15640	Seq. ID	OJ990427_01.9A14.C29
Gene No.	33072	Strand	
Start	7129	End	10940
Name	OJ990427_01.9A14.C29.o1.ts	Method	TBLASTX:Soybean
Start	7371	End	10928
GI	none	Score	151
Exons	7371..7532, 7405..7533, 7613..7729, 9043..9117, 9706..10017, 9713..9979, 10688..10798, 10689..10805, 10821..10928, 10869..10925		

Seq. No.	15640	Seq. ID	OJ990427_01.9A14.C29
Gene No.	33072	Strand	
Start	7129	End	10940
Name	OJ990427_01.9A14.C29.o2.tc	Method	TBLASTX:Cress
Start	10688	End	10925
GI	none	Score	125
Exons	10688..10762, 10689..10805, 10690..10827, 10847..10924, 10848..10922, 10869..10925		

Seq. No.	15641	Seq. ID	OJ990427_01.9A14.C30
Gene No.	33073	Strand	+
Start	1	End	1113
Name	OJ990427_01.9A14.C30.o1.gp	Method	AAT/GAP

Start	1	End	1113
GI	6761_1.R1084	Score	830
Exons	1..266, 367..387, 629..756, 878..963, 1066..1113		
GI Descrip.	'3184559 4.0e-28 (AF052290) putative c-type cytochrome biogenesis protein [Synechococcus PCC7002]'		

Seq. No.	15641	Seq. ID	OJ990427_01.9A14.C30
Gene No.	33073	Strand	+
Start	1	End	1113
Name	OJ990427_01.9A14.C30.o1.ts	Method	TBLASTX:Soybean
Start	638	End	1100
GI	none	Score	125
Exons	638..754, 646..762, 665..754, 673..756, 870..947, 875..964, 881..949, 888..971, 1065..1100		

Seq. No.	15641	Seq. ID	OJ990427_01.9A14.C30
Gene No.	33073	Strand	+
Start	1	End	1113
Name	OJ990427_01.9A14.C30.o1.np	Method	AAT/NAP
Start	665	End	1113
GI	3184559	Score	101
Exons	665..756, 878..1113		
GI Descrip.	(AF052290) putative c-type cytochrome biogenesis protein [Synechococcus PCC7002]		

Seq. No.	15642	Seq. ID	OJ990817_07.9A01.C1
Gene No.	33074	Strand	-
Start	509	End	635
Name	OJ990817_07.9A01.C1.o1.gs	Method	GENSCAN
Start	509	End	635
GI	none	Score	.63
Exons	509..635		

Seq. No.	15643	Seq. ID	OJ990817_07.9A01.C3
Gene No.	33075	Strand	+
Start	292	End	4388
Name	OJ990817_07.9A01.C3.o1.gs	Method	GENSCAN
Start	292	End	4388
GI	none	Score	.53
Exons	292..621, 847..1068, 1247..1428, 1502..1580, 1594..2019, 2138..2419, 2492..2778, 3098..3216, 3306..3386, 3606..3828, 3854..4388		

Seq. No.	15643	Seq. ID	OJ990817_07.9A01.C3
Gene No.	33075	Strand	+
Start	292	End	4388
Name	OJ990817_07.9A01.C3.o1.np	Method	AAT/NAP
Start	1628	End	4385
GI	4206306	Score	1276
Exons	1628..1668, 2532..4385		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	15643	Seq. ID	OJ990817_07.9A01.C3
Gene No.	33076	Strand	+
Start	7481	End	16474
Name	OJ990817_07.9A01.C3.o2.np	Method	AAT/NAP
Start	7481	End	16474

GI	4206200	Score	319
Exons	7481..7554, 10520..11009, 11227..11633, 12368..12473, 14513..14822, 16448..16474		
GI Descrip.	(AF071527) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	15643	Seq. ID	OJ990817_07.9A01.C3
Gene No.	33076	Strand	+
Start	7481	End	16474
Name	OJ990817_07.9A01.C3.o3.gs	Method	GENSCAN
Start	10391	End	12685
GI	none	Score	.75
Exons	10391..10991, 11086..11618, 11919..12017, 12257..12685		

Seq. No.	15643	Seq. ID	OJ990817_07.9A01.C3
Gene No.	33077	Strand	-
Start	5291	End	9653
Name	OJ990817_07.9A01.C3.o2.gs	Method	GENSCAN
Start	5291	End	9653
GI	none	Score	.75
Exons	5291..5407, 5714..5866, 6119..6274, 6331..6552, 6636..6900, 6966..7061, 7250..7386, 7407..7603, 7691..8189, 8247..8561, 9533..9585, 9590..9653		

Seq. No.	15643	Seq. ID	OJ990817_07.9A01.C3
Gene No.	33078	Strand	-
Start	20560	End	21887
Name	OJ990817_07.9A01.C3.o5.gs	Method	GENSCAN
Start	20560	End	21887
GI	none	Score	.88
Exons	20560..21075, 21146..21640, 21723..21887		

Seq. No.	15643	Seq. ID	OJ990817_07.9A01.C3
Gene No.	33079	Strand	-
Start	40403	End	42248
Name	OJ990817_07.9A01.C3.o6.tw	Method	TBLASTX:Wheat
Start	532	End	876
GI	none	Score	187
Exons	532..876, 630..806		

Seq. No.	15643	Seq. ID	OJ990817_07.9A01.C3
Gene No.	33079	Strand	-
Start	40403	End	42248
Name	OJ990817_07.9A01.C3.o7.tw	Method	TBLASTX:Wheat
Start	1669	End	2028
GI	none	Score	62
Exons	1669..1800, 1806..2027, 1852..2028		

Seq. No.	15643	Seq. ID	OJ990817_07.9A01.C3
Gene No.	33079	Strand	-
Start	40403	End	42248
Name	OJ990817_07.9A01.C3.o2.tw	Method	TBLASTX:Wheat
Start	2222	End	2550
GI	none	Score	273
Exons	2222..2548, 2281..2550		

Seq. No.	15643	Seq. ID	OJ990817_07.9A01.C3
Gene No.	33079	Strand	-

Start	40403	End	42248
Name	OJ990817_07.9A01.C3.o4.tm	Method	TBLASTX:Maize
Start	2296	End	2571
GI	none	Score	241
Exons	2296..2571, 2300..2557		

Seq. No.	15643	Seq. ID	OJ990817_07.9A01.C3
Gene No.	33079	Strand	-
Start	40403	End	42248
Name	OJ990817_07.9A01.C3.o4.tw	Method	TBLASTX:Wheat
Start	2551	End	2824
GI	none	Score	215
Exons	2551..2823, 2552..2824		

Seq. No.	15643	Seq. ID	OJ990817_07.9A01.C3
Gene No.	33079	Strand	-
Start	40403	End	42248
Name	OJ990817_07.9A01.C3.o5.tm	Method	TBLASTX:Maize
Start	3224	End	3445
GI	none	Score	203
Exons	3224..3445, 3277..3444		

Seq. No.	15643	Seq. ID	OJ990817_07.9A01.C3
Gene No.	33079	Strand	-
Start	40403	End	42248
Name	OJ990817_07.9A01.C3.o3.tw	Method	TBLASTX:Wheat
Start	3287	End	3676
GI	none	Score	232
Exons	3287..3676		

Seq. No.	15643	Seq. ID	OJ990817_07.9A01.C3
Gene No.	33079	Strand	-
Start	40403	End	42248
Name	OJ990817_07.9A01.C3.o3.tm	Method	TBLASTX:Maize
Start	3446	End	3814
GI	none	Score	337
Exons	3446..3814, 3538..3807, 3701..3808		

Seq. No.	15643	Seq. ID	OJ990817_07.9A01.C3
Gene No.	33079	Strand	-
Start	40403	End	42248
Name	OJ990817_07.9A01.C3.o6.tm	Method	TBLASTX:Maize
Start	10522	End	10816
GI	none	Score	81
Exons	10522..10587, 10527..10619, 10529..10588, 10592..10660, 10598..10654, 10719..10781, 10724..10816, 10724..10810, 10726..10815		

Seq. No.	15643	Seq. ID	OJ990817_07.9A01.C3
Gene No.	33079	Strand	-
Start	40403	End	42248
Name	OJ990817_07.9A01.C3.o4.np	Method	AAT/NAP
Start	40403	End	42248
GI	6539558	Score	771
Exons	40403..41816, 42225..42248		
GI Descrip.	(AP000836) Similar to putative polyprotein (AC006248) [Oryza sativa]		

Seq. No.	15643	Seq. ID	OJ990817_07.9A01.C3
Gene No.	33079	Strand	-
Start	40403	End	42248
Name	OJ990817_07.9A01.C3.o3.np	Method	AAT/NAP
Start	40411	End	42248
GI	4416302	Score	1317
Exons	40411..41841, 42211..42248		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	15643	Seq. ID	OJ990817_07.9A01.C3
Gene No.	33079	Strand	-
Start	40403	End	42248
Name	OJ990817_07.9A01.C3.o1.tm	Method	TBLASTX:Maize
Start	40448	End	41075
GI	none	Score	111
Exons	40448..40654, 40475..40759, 40533..40760, 40754..40873, 40761..40874, 40881..41075, 40885..41067		

Seq. No.	15643	Seq. ID	OJ990817_07.9A01.C3
Gene No.	33079	Strand	-
Start	40403	End	42248
Name	OJ990817_07.9A01.C3.o3.ts	Method	TBLASTX:Soybean
Start	40478	End	40870
GI	none	Score	131
Exons	40478..40663, 40757..40870		

Seq. No.	15643	Seq. ID	OJ990817_07.9A01.C3
Gene No.	33079	Strand	-
Start	40403	End	42248
Name	OJ990817_07.9A01.C3.o5.tw	Method	TBLASTX:Wheat
Start	40820	End	41252
GI	none	Score	94
Exons	40820..40876, 40872..41078, 41103..41252		

Seq. No.	15643	Seq. ID	OJ990817_07.9A01.C3
Gene No.	33079	Strand	-
Start	40403	End	42248
Name	OJ990817_07.9A01.C3.o2.ts	Method	TBLASTX:Soybean
Start	40872	End	41291
GI	none	Score	63
Exons	40872..41291, 40891..41067, 41131..41274		

Seq. No.	15643	Seq. ID	OJ990817_07.9A01.C3
Gene No.	33079	Strand	-
Start	40403	End	42248
Name	OJ990817_07.9A01.C3.o2.tm	Method	TBLASTX:Maize
Start	41328	End	41784
GI	none	Score	297
Exons	41328..41369, 41409..41783, 41410..41784		

Seq. No.	15643	Seq. ID	OJ990817_07.9A01.C3
Gene No.	33079	Strand	-
Start	40403	End	42248
Name	OJ990817_07.9A01.C3.o1.ts	Method	TBLASTX:Soybean
Start	41446	End	41820
GI	5509260	Score	254

Exons	41446..41820, 41451..41816		
GI Descrip.	-		
Seq. No.	15643	Seq. ID	OJ990817_07.9A01.C3
Gene No.	33079	Strand	-
Start	40403	End	42248
Name	OJ990817_07.9A01.C3.o1.tw	Method	TBLASTX:Wheat
Start	41460	End	41807
GI	none	Score	116
Exons	41460..41807, 41470..41628, 41615..41632, 41662..41799		
Seq. No.	15643	Seq. ID	OJ990817_07.9A01.C3
Gene No.	33079	Strand	-
Start	40403	End	42248
Name	OJ990817_07.9A01.C3.o1.tc	Method	TBLASTX:Cress
Start	41565	End	41817
GI	none	Score	85
Exons	41565..41816, 41566..41817		
Seq. No.	15644	Seq. ID	OJ990817_07.9A01.C4
Gene No.	33080	Strand	-
Start	365	End	473
Name	OJ990817_07.9A01.C4.o1.gs	Method	GENSCAN
Start	365	End	473
GI	none	Score	.9
Exons	365..473		
Seq. No.	15645	Seq. ID	OJ990817_07.9A01.C5
Gene No.	33081	Strand	-
Start	1	End	3442
Name	OJ990817_07.9A01.C5.o1.np	Method	AAT/NAP
Start	1	End	3442
GI	6539588	Score	205
Exons	1..56, 2508..2700, 3421..3442		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	15645	Seq. ID	OJ990817_07.9A01.C5
Gene No.	33082	Strand	-
Start	6491	End	6685
Name	OJ990817_07.9A01.C5.o2.gs	Method	GENSCAN
Start	6491	End	6685
GI	none	Score	.97
Exons	6491..6685		
Seq. No.	15646	Seq. ID	OJ990817_07.9A01.C6
Gene No.	33083	Strand	-
Start	1087	End	1754
Name	OJ990817_07.9A01.C6.o1.gs	Method	GENSCAN
Start	1087	End	1754
GI	none	Score	.62
Exons	1087..1205, 1584..1754		
Seq. No.	15647	Seq. ID	OJ990817_07.9A01.C9
Gene No.	33084	Strand	+
Start	63	End	135
Name	OJ990817_07.9A01.C9.o1.gs	Method	GENSCAN
Start	63	End	135

GI	none	Score	.75
Exons	63..135		

Seq. No.	15648	Seq. ID	OJ990817_07.9A01.C10
Gene No.	33085	Strand	+
Start	1	End	72
Name	OJ990817_07.9A01.C10.o1.np	Method	AAT/NAP
Start	1	End	72
GI	2443320	Score	126
Exons	1..72		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	15649	Seq. ID	OJ990817_07.9A01.C11
Gene No.	33086	Strand	+
Start	1	End	3239
Name	OJ990817_07.9A01.C11.o1.np	Method	AAT/NAP
Start	1	End	1212
GI	2443320	Score	1720
Exons	1..1212		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	15649	Seq. ID	OJ990817_07.9A01.C11
Gene No.	33086	Strand	+
Start	1	End	3239
Name	OJ990817_07.9A01.C11.o1.gs	Method	GENSCAN
Start	526	End	3239
GI	none	Score	.47
Exons	526..825, 838..1080, 2406..2541, 2825..3055, 3082..3239		

Seq. No.	15649	Seq. ID	OJ990817_07.9A01.C11
Gene No.	33087	Strand	+
Start	11663	End	17086
Name	OJ990817_07.9A01.C11.o2.tw	Method	TBLASTX:Wheat
Start	1	End	612
GI	none	Score	78
Exons	1..177, 1..177, 2..184, 3..185, 183..302, 190..390, 311..472, 331..474, 341..472, 342..473, 343..474, 448..612, 450..611		

Seq. No.	15649	Seq. ID	OJ990817_07.9A01.C11
Gene No.	33087	Strand	+
Start	11663	End	17086
Name	OJ990817_07.9A01.C11.o2.tm	Method	TBLASTX:Maize
Start	2	End	2940
GI	none	Score	156
Exons	2..91, 12..176, 187..345, 335..400, 2869..2940		

Seq. No.	15649	Seq. ID	OJ990817_07.9A01.C11
Gene No.	33087	Strand	+
Start	11663	End	17086
Name	OJ990817_07.9A01.C11.o1.tm	Method	TBLASTX:Maize
Start	574	End	1339
GI	none	Score	171
Exons	574..948, 967..1161, 1256..1339		

Seq. No.	15649	Seq. ID	OJ990817_07.9A01.C11
Gene No.	33087	Strand	+
Start	11663	End	17086

Name	OJ990817_07.9A01.C11.o1.ts	Method	TBLASTX:Soybean
Start	583	End	1077
GI	none	Score	202
Exons	583..945, 777..932, 973..1077		

Seq. No.	15649	Seq. ID	OJ990817_07.9A01.C11
Gene No.	33087	Strand	+
Start	11663	End	17086
Name	OJ990817_07.9A01.C11.o1.tw	Method	TBLASTX:Wheat
Start	685	End	1173
GI	none	Score	527
Exons	685..1173, 686..1018, 690..1172		

Seq. No.	15649	Seq. ID	OJ990817_07.9A01.C11
Gene No.	33087	Strand	+
Start	11663	End	17086
Name	OJ990817_07.9A01.C11.o3.gs	Method	GENSCAN
Start	11663	End	17086
GI	none	Score	.52
Exons	11663..11908, 12088..12266, 12543..12687, 14564..14627, 16935..17086		

Seq. No.	15649	Seq. ID	OJ990817_07.9A01.C11
Gene No.	33087	Strand	+
Start	11663	End	17086
Name	OJ990817_07.9A01.C11.o2.np	Method	AAT/NAP
Start	11706	End	12268
GI	6907092	Score	470
Exons	11706..11973, 12008..12068, 12132..12268		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	15650	Seq. ID	OJ990817_07.9A01.C13
Gene No.	33088	Strand	-
Start	1	End	416
Name	OJ990817_07.9A01.C13.o1.np	Method	AAT/NAP
Start	1	End	416
GI	2443320	Score	486
Exons	1..416		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	15650	Seq. ID	OJ990817_07.9A01.C13
Gene No.	33088	Strand	-
Start	1	End	416
Name	OJ990817_07.9A01.C13.o1.tw	Method	TBLASTX:Wheat
Start	139	End	398
GI	none	Score	80
Exons	139..369, 144..398		

Seq. No.	15651	Seq. ID	OJ990817_07.9A01.C14
Gene No.	33089	Strand	-
Start	1	End	774
Name	OJ990817_07.9A01.C14.o1.np	Method	AAT/NAP
Start	1	End	774
GI	3645899	Score	311
Exons	1..774		
GI Descrip.	(U68408) 5' end not determined experimentally [Zea mays]		

Seq. No.	15651	Seq. ID	OJ990817_07.9A01.C14
Gene No.	33089	Strand	-
Start	1	End	774
Name	OJ990817_07.9A01.C14.o1.tm	Method	TBLASTX:Maize
Start	38	End	348
GI	none	Score	163
Exons	38..103, 79..348		

Seq. No.	15651	Seq. ID	OJ990817_07.9A01.C14
Gene No.	33089	Strand	-
Start	1	End	774
Name	OJ990817_07.9A01.C14.o1.gs	Method	GENSCAN
Start	163	End	714
GI	none	Score	.97
Exons	163..714		

Seq. No.	15652	Seq. ID	OJ990817_07.9A01.C16
Gene No.	33090	Strand	+
Start	214	End	581
Name	OJ990817_07.9A01.C16.o1.np	Method	AAT/NAP
Start	214	End	581
GI	4378066	Score	320
Exons	214..581		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi\|4680208\|gb\|AAD27571.1\|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	15652	Seq. ID	OJ990817_07.9A01.C16
Gene No.	33091	Strand	-
Start	128	End	508
Name	OJ990817_07.9A01.C16.o2.tw	Method	TBLASTX:Wheat
Start	11	End	202
GI	none	Score	176
Exons	11..202, 13..201		

Seq. No.	15652	Seq. ID	OJ990817_07.9A01.C16
Gene No.	33091	Strand	-
Start	128	End	508
Name	OJ990817_07.9A01.C16.o1.tm	Method	TBLASTX:Maize
Start	19	End	228
GI	none	Score	218
Exons	19..228, 20..217, 154..225		

Seq. No.	15652	Seq. ID	OJ990817_07.9A01.C16
Gene No.	33091	Strand	-
Start	128	End	508
Name	OJ990817_07.9A01.C16.o1.gs	Method	GENSCAN
Start	128	End	508
GI	none	Score	.6
Exons	128..508		

Seq. No.	15652	Seq. ID	OJ990817_07.9A01.C16
Gene No.	33091	Strand	-
Start	128	End	508
Name	OJ990817_07.9A01.C16.o1.tw	Method	TBLASTX:Wheat
Start	205	End	493
GI	none	Score	215

Exons	205..492, 221..493		
Seq. No.	15653	Seq. ID	OJ990817_02.9A01.C1
Gene No.	33092	Strand	
Start	1	End	719
Name	OJ990817_02.9A01.C1.o1.tm	Method	TBLASTX:Maize
Start	1	End	719
GI	none	Score	131
Exons	1..228, 3..233, 255..719, 259..453, 490..717		
Seq. No.	15653	Seq. ID	OJ990817_02.9A01.C1
Gene No.	33092	Strand	
Start	1	End	719
Name	OJ990817_02.9A01.C1.o1.tw	Method	TBLASTX:Wheat
Start	84	End	425
GI	none	Score	76
Exons	84..239, 85..219, 255..425, 259..420		
Seq. No.	15653	Seq. ID	OJ990817_02.9A01.C1
Gene No.	33092	Strand	
Start	1	End	719
Name	OJ990817_02.9A01.C1.o3.tw	Method	TBLASTX:Wheat
Start	444	End	671
GI	none	Score	105
Exons	444..620, 450..671		
Seq. No.	15653	Seq. ID	OJ990817_02.9A01.C1
Gene No.	33093	Strand	
Start	1022	End	1261
Name	OJ990817_02.9A01.C1.o2.tw	Method	TBLASTX:Wheat
Start	1022	End	1261
GI	none	Score	63
Exons	1022..1261, 1023..1124		
Seq. No.	15654	Seq. ID	OJ990817_02.9A01.C2
Gene No.	33094	Strand	+
Start	652	End	1038
Name	OJ990817_02.9A01.C2.o1.gp	Method	AAT/GAP
Start	652	End	1038
GI	uC-osflcyp033a04b1	Score	532
Exons	652..1038		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	15654	Seq. ID	OJ990817_02.9A01.C2
Gene No.	33095	Strand	+
Start	4223	End	5852
Name	OJ990817_02.9A01.C2.o2.gs	Method	GENSCAN
Start	4223	End	5852
GI	none	Score	.57
Exons	4223..4412, 5071..5206, 5795..5852		
Seq. No.	15654	Seq. ID	OJ990817_02.9A01.C2
Gene No.	33096	Strand	+
Start	7578	End	8834
Name	OJ990817_02.9A01.C2.o4.gs	Method	GENSCAN
Start	7578	End	8834

GI	none	Score	.96
Exons	7578..8503, 8609..8834		

Seq. No.	15654	Seq. ID	OJ990817_02.9A01.C2
Gene No.	33097	Strand	-
Start	3070	End	3752
Name	OJ990817_02.9A01.C2.o2.gp	Method	AAT/GAP
Start	3070	End	3752
GI	4714679	Score	1126
Exons	3070..3752		
GI Descrip.	5852170/emb\|AL117265.1\|OST17804 2.0e-10 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	15654	Seq. ID	OJ990817_02.9A01.C2
Gene No.	33098	Strand	-
Start	6899	End	7432
Name	OJ990817_02.9A01.C2.o3.gs	Method	GENSCAN
Start	6899	End	7432
GI	none	Score	.78
Exons	6899..7432		

Seq. No.	15654	Seq. ID	OJ990817_02.9A01.C2
Gene No.	33099	Strand	-
Start	7605	End	7907
Name	OJ990817_02.9A01.C2.o3.gp	Method	AAT/GAP
Start	7605	End	7907
GI	uC-osflcyp135b09a1	Score	602
Exons	7605..7907		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 2.0e-10 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	15654	Seq. ID	OJ990817_02.9A01.C2
Gene No.	33100	Strand	-
Start	11097	End	11675
Name	OJ990817_02.9A01.C2.o3.tm	Method	TBLASTX:Maize
Start	3221	End	3511
GI	none	Score	114
Exons	3221..3319, 3315..3503, 3323..3511		

Seq. No.	15654	Seq. ID	OJ990817_02.9A01.C2
Gene No.	33100	Strand	-
Start	11097	End	11675
Name	OJ990817_02.9A01.C2.o5.tm	Method	TBLASTX:Maize
Start	3554	End	3758
GI	none	Score	67
Exons	3554..3757, 3561..3758		

Seq. No.	15654	Seq. ID	OJ990817_02.9A01.C2
Gene No.	33100	Strand	-
Start	11097	End	11675
Name	OJ990817_02.9A01.C2.o1.tw	Method	TBLASTX:Wheat
Start	3588	End	3841
GI	none	Score	141
Exons	3588..3821, 3590..3841		

Seq. No.	15654	Seq. ID	OJ990817_02.9A01.C2
Gene No.	33100	Strand	-

Start	11097	End	11675
Name	OJ990817_02.9A01.C2.o2.tm	Method	TBLASTX:Maize
Start	4910	End	8823
GI	none	Score	299
Exons	4910..5008, 5085..5129, 8615..8809, 8616..8804, 8671..8823, 8727..8810		

Seq. No.	15654	Seq. ID	OJ990817_02.9A01.C2
Gene No.	33100	Strand	-
Start	11097	End	11675
Name	OJ990817_02.9A01.C2.o1.tm	Method	TBLASTX:Maize
Start	6948	End	7687
GI	none	Score	35
Exons	6948..6998, 6982..6999, 7021..7050, 7021..7050, 7141..7161, 7142..7162, 7158..7205, 7174..7209, 7175..7210, 7298..7387, 7314..7685, 7323..7511, 7487..7570, 7643..7687		

Seq. No.	15654	Seq. ID	OJ990817_02.9A01.C2
Gene No.	33100	Strand	-
Start	11097	End	11675
Name	OJ990817_02.9A01.C2.o1.ts	Method	TBLASTX:Soybean
Start	7524	End	7841
GI	none	Score	52
Exons	7524..7580, 7643..7840, 7644..7841		

Seq. No.	15654	Seq. ID	OJ990817_02.9A01.C2
Gene No.	33100	Strand	-
Start	11097	End	11675
Name	OJ990817_02.9A01.C2.o2.tc	Method	TBLASTX:Cress
Start	7713	End	7903
GI	none	Score	206
Exons	7713..7895, 7715..7903		

Seq. No.	15654	Seq. ID	OJ990817_02.9A01.C2
Gene No.	33100	Strand	-
Start	11097	End	11675
Name	OJ990817_02.9A01.C2.o4.tm	Method	TBLASTX:Maize
Start	8285	End	8504
GI	none	Score	194
Exons	8285..8335, 8286..8504, 8440..8499		

Seq. No.	15654	Seq. ID	OJ990817_02.9A01.C2
Gene No.	33100	Strand	-
Start	11097	End	11675
Name	OJ990817_02.9A01.C2.o1.tc	Method	TBLASTX:Cress
Start	8292	End	8831
GI	none	Score	126
Exons	8292..8504, 8606..8830, 8607..8831		

Seq. No.	15654	Seq. ID	OJ990817_02.9A01.C2
Gene No.	33100	Strand	-
Start	11097	End	11675
Name	OJ990817_02.9A01.C2.o1.np	Method	AAT/NAP
Start	10099	End	11675
GI	6907086	Score	1015
Exons	10099..10180, 10274..10491, 10660..11021, 11080..11675		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	15654	Seq. ID	OJ990817_02.9A01.C2
Gene No.	33100	Strand	-
Start	11097	End	11675
Name	OJ990817_02.9A01.C2.o6.gs	Method	GENSCAN
Start	11097	End	11580
GI	none	Score	.7
Exons	11097..11580		

Seq. No.	15655	Seq. ID	OJ990817_02.9A01.C3
Gene No.	33101	Strand	+
Start	217	End	2356
Name	OJ990817_02.9A01.C3.o1.gs	Method	GENSCAN
Start	217	End	2069
GI	none	Score	.99
Exons	217..355, 1996..2069		

Seq. No.	15655	Seq. ID	OJ990817_02.9A01.C3
Gene No.	33101	Strand	+
Start	217	End	2356
Name	OJ990817_02.9A01.C3.o1.gp	Method	AAT/GAP
Start	1859	End	2356
GI	38782_1.R1084	Score	749
Exons	1859..2356		
GI Descrip.	'6069643/dbj\|AP000616.1\|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	15655	Seq. ID	OJ990817_02.9A01.C3
Gene No.	33102	Strand	+
Start	2650	End	10123
Name	OJ990817_02.9A01.C3.o2.np	Method	AAT/NAP
Start	2650	End	3408
GI	6002794	Score	1102
Exons	2650..3408		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	15655	Seq. ID	OJ990817_02.9A01.C3
Gene No.	33102	Strand	+
Start	2650	End	10123
Name	OJ990817_02.9A01.C3.o3.np	Method	AAT/NAP
Start	2798	End	10123
GI	5852180	Score	607
Exons	2798..2863, 6146..6208, 7199..7317, 7369..7780, 8480..8561, 10061..10123		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	15655	Seq. ID	OJ990817_02.9A01.C3
Gene No.	33102	Strand	+
Start	2650	End	10123
Name	OJ990817_02.9A01.C3.o4.np	Method	AAT/NAP
Start	8543	End	10123
GI	5257279	Score	331
Exons	8543..9051, 9094..9437, 10068..10123		
GI Descrip.	(AP000364) Similar to Transposon MAGGY gag and pol gene homologues. (L35053) [Oryza sativa]		

Seq. No.	15655	Seq. ID	OJ990817_02.9A01.C3

Gene No.	33103	Strand	-
Start	123	End	1548
Name	OJ990817_02.9A01.C3.o1.np	Method	AAT/NAP
Start	123	End	1548
GI	6907088	Score	669
Exons	123..588, 1065..1235, 1411..1548		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	15655	Seq. ID	OJ990817_02.9A01.C3
Gene No.	33104	Strand	-
Start	5078	End	6441
Name	OJ990817_02.9A01.C3.o3.gs	Method	GENSCAN
Start	5078	End	6336
GI	none	Score	.57
Exons	5078..5227, 6271..6336		

Seq. No.	15655	Seq. ID	OJ990817_02.9A01.C3
Gene No.	33104	Strand	-
Start	5078	End	6441
Name	OJ990817_02.9A01.C3.o2.gp	Method	AAT/GAP
Start	6057	End	6441
GI	uC-osflcyp033a04b1	Score	678
Exons	6057..6441		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	15655	Seq. ID	OJ990817_02.9A01.C3
Gene No.	33105	Strand	-
Start	7287	End	7898
Name	OJ990817_02.9A01.C3.o4.gs	Method	GENSCAN
Start	7287	End	7898
GI	none	Score	.88
Exons	7287..7898		

Seq. No.	15655	Seq. ID	OJ990817_02.9A01.C3
Gene No.	33106	Strand	-
Start	8669	End	10017
Name	OJ990817_02.9A01.C3.o2.tw	Method	TBLASTX:Wheat
Start	5133	End	5338
GI	none	Score	189
Exons	5133..5195, 5165..5338, 5263..5334		

Seq. No.	15655	Seq. ID	OJ990817_02.9A01.C3
Gene No.	33106	Strand	-
Start	8669	End	10017
Name	OJ990817_02.9A01.C3.o1.tw	Method	TBLASTX:Wheat
Start	8559	End	8862
GI	none	Score	201
Exons	8559..8609, 8563..8862, 8670..8759		

Seq. No.	15655	Seq. ID	OJ990817_02.9A01.C3
Gene No.	33106	Strand	-
Start	8669	End	10017
Name	OJ990817_02.9A01.C3.o1.tm	Method	TBLASTX:Maize
Start	8563	End	9029
GI	none	Score	221
Exons	8563..8892, 8991..9029		

Seq. No.	15655	Seq. ID	OJ990817_02.9A01.C3
Gene No.	33106	Strand	-
Start	8669	End	10017
Name	OJ990817_02.9A01.C3.o5.gs	Method	GENSCAN
Start	8669	End	10017
GI	none	Score	.68
Exons	8669..8692, 9452..9622, 9974..10017		

Seq. No.	15655	Seq. ID	OJ990817_02.9A01.C3
Gene No.	33106	Strand	-
Start	8669	End	10017
Name	OJ990817_02.9A01.C3.o3.tw	Method	TBLASTX:Wheat
Start	9088	End	9423
GI	none	Score	56
Exons	9088..9141, 9114..9137, 9259..9423, 9259..9411, 9273..9422		

Seq. No.	15656	Seq. ID	OJ990817_02.9A01.C4
Gene No.	33107	Strand	+
Start	303	End	3955
Name	OJ990817_02.9A01.C4.o1.gs	Method	GENSCAN
Start	303	End	3955
GI	none	Score	.83
Exons	303..362, 417..532, 703..1621, 2087..2833, 2891..3955		

Seq. No.	15656	Seq. ID	OJ990817_02.9A01.C4
Gene No.	33107	Strand	+
Start	303	End	3955
Name	OJ990817_02.9A01.C4.o1.np	Method	AAT/NAP
Start	722	End	3952
GI	6907089	Score	4248
Exons	722..1983, 2087..3952		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	15656	Seq. ID	OJ990817_02.9A01.C4
Gene No.	33108	Strand	+
Start	6008	End	11500
Name	OJ990817_02.9A01.C4.o3.np	Method	AAT/NAP
Start	6008	End	11500
GI	4680179	Score	3744
Exons	6008..6065, 8278..11500		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	15656	Seq. ID	OJ990817_02.9A01.C4
Gene No.	33108	Strand	+
Start	6008	End	11500
Name	OJ990817_02.9A01.C4.o3.gs	Method	GENSCAN
Start	7846	End	11432
GI	none	Score	.49
Exons	7846..7899, 8128..8298, 8462..10446, 10466..10580, 10710..11432		

Seq. No.	15656	Seq. ID	OJ990817_02.9A01.C4
Gene No.	33109	Strand	-
Start	4574	End	11456
Name	OJ990817_02.9A01.C4.o2.gs	Method	GENSCAN
Start	4574	End	7311
GI	none	Score	.48

Exons	4574..4690, 4781..6662, 6845..7311		
Seq. No.	15656	Seq. ID	OJ990817_02.9A01.C4
Gene No.	33109	Strand	-
Start	4574	End	11456
Name	OJ990817_02.9A01.C4.o8.tm	Method	TBLASTX:Maize
Start	4574	End	4717
GI	none	Score	127
Exons	4574..4717, 4578..4712		
Seq. No.	15656	Seq. ID	OJ990817_02.9A01.C4
Gene No.	33109	Strand	-
Start	4574	End	11456
Name	OJ990817_02.9A01.C4.o2.np	Method	AAT/NAP
Start	4577	End	9204
GI	6498441	Score	2745
Exons	4577..4858, 4952..6353, 6528..6662, 6845..7165, 9184..9204		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	15656	Seq. ID	OJ990817_02.9A01.C4
Gene No.	33109	Strand	-
Start	4574	End	11456
Name	OJ990817_02.9A01.C4.o1.tw	Method	TBLASTX:Wheat
Start	5114	End	11123
GI	none	Score	647
Exons	5114..5272, 10497..11123, 10553..11110		
Seq. No.	15656	Seq. ID	OJ990817_02.9A01.C4
Gene No.	33109	Strand	-
Start	4574	End	11456
Name	OJ990817_02.9A01.C4.o4.tm	Method	TBLASTX:Maize
Start	5375	End	5707
GI	none	Score	83
Exons	5375..5587, 5384..5707, 5397..5678		
Seq. No.	15656	Seq. ID	OJ990817_02.9A01.C4
Gene No.	33109	Strand	-
Start	4574	End	11456
Name	OJ990817_02.9A01.C4.o4.tw	Method	TBLASTX:Wheat
Start	5388	End	10490
GI	none	Score	376
Exons	5388..5420, 5438..5554, 9983..10393, 10135..10392, 10227..10394, 10394..10486, 10395..10490		
Seq. No.	15656	Seq. ID	OJ990817_02.9A01.C4
Gene No.	33109	Strand	-
Start	4574	End	11456
Name	OJ990817_02.9A01.C4.o8.tw	Method	TBLASTX:Wheat
Start	5900	End	6199
GI	none	Score	64
Exons	5900..6199, 6011..6199		
Seq. No.	15656	Seq. ID	OJ990817_02.9A01.C4
Gene No.	33109	Strand	-
Start	4574	End	11456

Name	OJ990817_02.9A01.C4.o6.tm	Method	TBLASTX:Maize
Start	6218	End	9580
GI	none	Score	279
Exons	6218..6562, 9233..9580, 9265..9435		

Seq. No.	15656	Seq. ID	OJ990817_02.9A01.C4
Gene No.	33109	Strand	-
Start	4574	End	11456
Name	OJ990817_02.9A01.C4.o5.tw	Method	TBLASTX:Wheat
Start	6221	End	9466
GI	none	Score	294
Exons	6221..6640, 6246..6641, 9161..9466, 9166..9414		

Seq. No.	15656	Seq. ID	OJ990817_02.9A01.C4
Gene No.	33109	Strand	-
Start	4574	End	11456
Name	OJ990817_02.9A01.C4.o1.ts	Method	TBLASTX:Soybean
Start	6299	End	9472
GI	none	Score	56
Exons	6299..6670, 9104..9136, 9104..9136, 9121..9216, 9140..9472, 9140..9448, 9256..9471		

Seq. No.	15656	Seq. ID	OJ990817_02.9A01.C4
Gene No.	33109	Strand	-
Start	4574	End	11456
Name	OJ990817_02.9A01.C4.o3.tm	Method	TBLASTX:Maize
Start	6581	End	9217
GI	none	Score	374
Exons	6581..6772, 6769..6993, 8750..9217, 8822..8998		

Seq. No.	15656	Seq. ID	OJ990817_02.9A01.C4
Gene No.	33109	Strand	-
Start	4574	End	11456
Name	OJ990817_02.9A01.C4.o3.tw	Method	TBLASTX:Wheat
Start	6753	End	9031
GI	none	Score	103
Exons	6753..6995, 6753..7157, 6754..7161, 6757..7158, 6761..7198, 8813..9031		

Seq. No.	15656	Seq. ID	OJ990817_02.9A01.C4
Gene No.	33109	Strand	-
Start	4574	End	11456
Name	OJ990817_02.9A01.C4.o4.ts	Method	TBLASTX:Soybean
Start	6805	End	8992
GI	none	Score	101
Exons	6805..6939, 6946..7161, 8858..8992		

Seq. No.	15656	Seq. ID	OJ990817_02.9A01.C4
Gene No.	33109	Strand	-
Start	4574	End	11456
Name	OJ990817_02.9A01.C4.o7.tw	Method	TBLASTX:Wheat
Start	8317	End	8728
GI	none	Score	154
Exons	8317..8496, 8318..8503, 8591..8728, 8602..8721		

Seq. No.	15656	Seq. ID	OJ990817_02.9A01.C4
Gene No.	33109	Strand	-

Start	4574	End	11456
Name	OJ990817_02.9A01.C4.o7.tm	Method	TBLASTX:Maize
Start	8552	End	8749
GI	none	Score	207
Exons	8552..8749, 8587..8748		

Seq. No.	15656	Seq. ID	OJ990817_02.9A01.C4
Gene No.	33109	Strand	-
Start	4574	End	11456
Name	OJ990817_02.9A01.C4.o2.tw	Method	TBLASTX:Wheat
Start	9514	End	9940
GI	none	Score	588
Exons	9514..9939, 9515..9940		

Seq. No.	15656	Seq. ID	OJ990817_02.9A01.C4
Gene No.	33109	Strand	-
Start	4574	End	11456
Name	OJ990817_02.9A01.C4.o3.ts	Method	TBLASTX:Soybean
Start	9521	End	9766
GI	none	Score	211
Exons	9521..9766, 9550..9765		

Seq. No.	15656	Seq. ID	OJ990817_02.9A01.C4
Gene No.	33109	Strand	-
Start	4574	End	11456
Name	OJ990817_02.9A01.C4.o2.tm	Method	TBLASTX:Maize
Start	9584	End	9945
GI	none	Score	456
Exons	9584..9937, 9587..9940, 9589..9945, 9589..9939		

Seq. No.	15656	Seq. ID	OJ990817_02.9A01.C4
Gene No.	33109	Strand	-
Start	4574	End	11456
Name	OJ990817_02.9A01.C4.o1.tc	Method	TBLASTX:Cress
Start	10214	End	10514
GI	none	Score	99
Exons	10214..10387, 10362..10514, 10397..10498		

Seq. No.	15656	Seq. ID	OJ990817_02.9A01.C4
Gene No.	33109	Strand	-
Start	4574	End	11456
Name	OJ990817_02.9A01.C4.o2.ts	Method	TBLASTX:Soybean
Start	10301	End	10538
GI	none	Score	95
Exons	10301..10387, 10307..10393, 10395..10538, 10400..10537		

Seq. No.	15656	Seq. ID	OJ990817_02.9A01.C4
Gene No.	33109	Strand	-
Start	4574	End	11456
Name	OJ990817_02.9A01.C4.o5.tm	Method	TBLASTX:Maize
Start	10355	End	10628
GI	none	Score	51
Exons	10355..10387, 10395..10628, 10400..10624		

Seq. No.	15656	Seq. ID	OJ990817_02.9A01.C4
Gene No.	33109	Strand	-
Start	4574	End	11456

Name	OJ990817_02.9A01.C4.o1.tm	Method	TBLASTX:Maize
Start	10677	End	11273
GI	none	Score	215
Exons	10677..10829, 10680..10838, 10685..10831, 10834..10893, 10835..11263, 10836..11273		

Seq. No.	15656	Seq. ID	OJ990817_02.9A01.C4
Gene No.	33109	Strand	-
Start	4574	End	11456
Name	OJ990817_02.9A01.C4.o6.tw	Method	TBLASTX:Wheat
Start	11123	End	11456
GI	none	Score	368
Exons	11123..11323, 11124..11456, 11163..11435		

Seq. No.	15656	Seq. ID	OJ990817_02.9A01.C4
Gene No.	33109	Strand	-
Start	4574	End	11456
Name	OJ990817_02.9A01.C4.o9.tm	Method	TBLASTX:Maize
Start	11280	End	11441
GI	none	Score	182
Exons	11280..11435, 11283..11441		

Seq. No.	15657	Seq. ID	OJ990817_02.9A01.C5
Gene No.	33110	Strand	-
Start	494	End	991
Name	OJ990817_02.9A01.C5.o1.tw	Method	TBLASTX:Wheat
Start	80	End	406
GI	none	Score	73
Exons	80..181, 188..406		

Seq. No.	15657	Seq. ID	OJ990817_02.9A01.C5
Gene No.	33110	Strand	-
Start	494	End	991
Name	OJ990817_02.9A01.C5.o1.gs	Method	GENSCAN
Start	494	End	991
GI	none	Score	.42
Exons	494..991		

Seq. No.	15658	Seq. ID	OJ990817_02.9A01.C6
Gene No.	33111	Strand	+
Start	848	End	1679
Name	OJ990817_02.9A01.C6.o1.gs	Method	GENSCAN
Start	848	End	1679
GI	none	Score	.55
Exons	848..973, 1536..1679		

Seq. No.	15658	Seq. ID	OJ990817_02.9A01.C6
Gene No.	33112	Strand	+
Start	3780	End	7117
Name	OJ990817_02.9A01.C6.o2.gs	Method	GENSCAN
Start	3780	End	6815
GI	none	Score	.89
Exons	3780..3879, 4112..4253, 4526..4757, 4807..4924, 5512..5556, 6318..6365, 6742..6815		

Seq. No.	15658	Seq. ID	OJ990817_02.9A01.C6
Gene No.	33112	Strand	+

Start	3780	End	7117
Name	OJ990817_02.9A01.C6.o2.gp	Method	AAT/GAP
Start	6610	End	7117
GI	38782_1.R1084	Score	831
Exons	6610..7117		
GI Descrip.	'6069643/dbj\|AP000616.1\|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	15658	Seq. ID	OJ990817_02.9A01.C6
Gene No.	33113	Strand	+
Start	8178	End	9530
Name	OJ990817_02.9A01.C6.o3.gs	Method	GENSCAN
Start	8178	End	9530
GI	none	Score	.66
Exons	8178..8556, 8773..8811, 8904..8937, 9497..9530		

Seq. No.	15658	Seq. ID	OJ990817_02.9A01.C6
Gene No.	33114	Strand	-
Start	3517	End	5207
Name	OJ990817_02.9A01.C6.o1.np	Method	AAT/NAP
Start	3517	End	5207
GI	6907086	Score	1295
Exons	3517..4024, 4243..4364, 4423..5207		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	15658	Seq. ID	OJ990817_02.9A01.C6
Gene No.	33115	Strand	-
Start	5291	End	5482
Name	OJ990817_02.9A01.C6.o1.gp	Method	AAT/GAP
Start	5291	End	5482
GI	5667165	Score	348
Exons	5291..5482		
GI Descrip.	5670155/gb\|AF161269.1\|AF161269 4.0e-86 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence		

Seq. No.	15658	Seq. ID	OJ990817_02.9A01.C6
Gene No.	33116	Strand	-
Start	6149	End	6884
Name	OJ990817_02.9A01.C6.o1.tm	Method	TBLASTX:Maize
Start	632	End	1001
GI	none	Score	79
Exons	632..703, 770..1000, 810..1001, 864..1001		

Seq. No.	15658	Seq. ID	OJ990817_02.9A01.C6
Gene No.	33116	Strand	-
Start	6149	End	6884
Name	OJ990817_02.9A01.C6.o2.np	Method	AAT/NAP
Start	6149	End	6884
GI	4680186	Score	162
Exons	6149..6329, 6801..6884		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	15659	Seq. ID	OJ990817_02.9A01.C7
Gene No.	33117	Strand	-
Start	1	End	470
Name	OJ990817_02.9A01.C7.o1.np	Method	AAT/NAP
Start	1	End	470

GI	6721502	Score	324
Exons	1..19, 246..470		
GI Descrip.	(AP001072) Similar to chromaffin granule ATPase II homolog. (U75321) [Oryza sativa]		

Seq. No.	15659	Seq. ID	OJ990817_02.9A01.C7
Gene No.	33118	Strand	-
Start	388	End	472
Name	OJ990817_02.9A01.C7.o1.ts	Method	TBLASTX:Soybean
Start	240	End	472
GI	none	Score	143
Exons	240..407, 243..404, 245..415, 396..446, 410..469, 416..472		

Seq. No.	15659	Seq. ID	OJ990817_02.9A01.C7
Gene No.	33118	Strand	-
Start	388	End	472
Name	OJ990817_02.9A01.C7.o1.tm	Method	TBLASTX:Maize
Start	243	End	472
GI	none	Score	55
Exons	243..404, 245..394, 245..415, 409..471, 410..472, 417..470		

Seq. No.	15659	Seq. ID	OJ990817_02.9A01.C7
Gene No.	33118	Strand	-
Start	388	End	472
Name	OJ990817_02.9A01.C7.o1.gs	Method	GENSCAN
Start	388	End	470
GI	none	Score	.92
Exons	388..470		

Seq. No.	15660	Seq. ID	OJ990817_02.9A01.C8
Gene No.	33119	Strand	-
Start	1	End	1366
Name	OJ990817_02.9A01.C8.o1.np	Method	AAT/NAP
Start	1	End	1366
GI	6721547	Score	94
Exons	1..94, 1275..1366		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	15661	Seq. ID	OJ990817_02.9A01.C9
Gene No.	33120	Strand	+
Start	1432	End	1629
Name	OJ990817_02.9A01.C9.o1.gs	Method	GENSCAN
Start	1432	End	1629
GI	none	Score	.91
Exons	1432..1629		

Seq. No.	15661	Seq. ID	OJ990817_02.9A01.C9
Gene No.	33121	Strand	-
Start	1984	End	2248
Name	OJ990817_02.9A01.C9.o2.gs	Method	GENSCAN
Start	1984	End	2248
GI	none	Score	.76
Exons	1984..2104, 2181..2248		

Seq. No.	15662	Seq. ID	OJ990817_02.9A01.C10
Gene No.	33122	Strand	+
Start	4320	End	10259

Name	OJ990817_02.9A01.C10.o2.gs	Method	GENSCAN
Start	4320	End	9542
GI	none	Score	.57
Exons	4320..4501, 6929..7330, 7418..7544, 8164..9005, 9458..9542		

Seq. No.	15662	Seq. ID	OJ990817_02.9A01.C10
Gene No.	33122	Strand	+
Start	4320	End	10259
Name	OJ990817_02.9A01.C10.o1.np	Method	AAT/NAP
Start	4353	End	10259
GI	4539396	Score	293
Exons	4353..4468, 7300..7330, 7418..7544, 8164..8340, 10197..10259		
GI Descrip.	(AL035526) myb-like protein [Arabidopsis thaliana] gi\|5823339\|gb\|AAD53108.1\|AF176003_1 (AF176003) putative transcription factor [Arabidopsis thaliana]		

Seq. No.	15662	Seq. ID	OJ990817_02.9A01.C10
Gene No.	33122	Strand	+
Start	4320	End	10259
Name	OJ990817_02.9A01.C10.o1.gp	Method	AAT/GAP
Start	6892	End	7179
GI	1631475	Score	519
Exons	6892..7179		

Seq. No.	15662	Seq. ID	OJ990817_02.9A01.C10
Gene No.	33123	Strand	+
Start	21821	End	26487
Name	OJ990817_02.9A01.C10.o6.gs	Method	GENSCAN
Start	21821	End	26487
GI	none	Score	.7
Exons	21821..21829, 22420..22602, 22795..22951, 22982..23197, 23252..23475, 23556..23625, 23683..23812, 23913..24019, 24112..24171, 24265..24338, 24437..24487, 24658..24707, 24810..24870, 24933..24998, 25688..25783, 25868..25957, 26479..26487		

Seq. No.	15662	Seq. ID	OJ990817_02.9A01.C10
Gene No.	33123	Strand	+
Start	21821	End	26487
Name	OJ990817_02.9A01.C10.o4.np	Method	AAT/NAP
Start	22688	End	26079
GI	3582344	Score	796
Exons	22688..22980, 23148..23173, 23252..23475, 23556..23630, 23706..23812, 23910..24019, 24112..24171, 24265..24338, 24437..24487, 24658..24707, 24810..24887, 25349..25438, 25524..25578, 25680..25783, 25868..26079		
GI Descrip.	(AC005496) putative CDC6 protein [Arabidopsis thaliana]		

Seq. No.	15662	Seq. ID	OJ990817_02.9A01.C10
Gene No.	33124	Strand	+
Start	31554	End	31754
Name	OJ990817_02.9A01.C10.o8.gs	Method	GENSCAN
Start	31554	End	31754
GI	none	Score	.62
Exons	31554..31754		

Seq. No.	15662	Seq. ID	OJ990817_02.9A01.C10

Gene No.	33125	Strand	+
Start	35509	End	36474
Name	OJ990817_02.9A01.C10.o10.gs	Method	GENSCAN
Start	35509	End	36474
GI	none	Score	.98
Exons	35509..35563, 36161..36474		

Seq. No.	15662	Seq. ID	OJ990817_02.9A01.C10
Gene No.	33126	Strand	-
Start	305	End	1195
Name	OJ990817_02.9A01.C10.o1.gs	Method	GENSCAN
Start	305	End	1195
GI	none	Score	.64
Exons	305..459, 562..657, 1087..1195		

Seq. No.	15662	Seq. ID	OJ990817_02.9A01.C10
Gene No.	33127	Strand	-
Start	12953	End	14490
Name	OJ990817_02.9A01.C10.o2.gp	Method	AAT/GAP
Start	12626	End	13535
GI	18475_1.R1084	Score	1764
Exons	12626..13535		
GI Descrip.	'2088653 7.0e-42 (AF002109) Hslpro-1 related protein isolog [Arabidopsis thaliana]'		

Seq. No.	15662	Seq. ID	OJ990817_02.9A01.C10
Gene No.	33127	Strand	-
Start	12953	End	14490
Name	OJ990817_02.9A01.C10.o4.gs	Method	GENSCAN
Start	12953	End	14377
GI	none	Score	1
Exons	12953..14377		

Seq. No.	15662	Seq. ID	OJ990817_02.9A01.C10
Gene No.	33127	Strand	-
Start	12953	End	14490
Name	OJ990817_02.9A01.C10.o2.np	Method	AAT/NAP
Start	12992	End	14404
GI	2088653	Score	913
Exons	12992..13894, 13947..14404		
GI Descrip.	(AF002109) putative nematode-resistance protein [Arabidopsis thaliana]		

Seq. No.	15662	Seq. ID	OJ990817_02.9A01.C10
Gene No.	33127	Strand	-
Start	12953	End	14490
Name	OJ990817_02.9A01.C10.o3.gp	Method	AAT/GAP
Start	13950	End	14490
GI	none	Score	1010
Exons	13950..14490		

Seq. No.	15662	Seq. ID	OJ990817_02.9A01.C10
Gene No.	33128	Strand	-
Start	27557	End	30285
Name	OJ990817_02.9A01.C10.o7.gs	Method	GENSCAN
Start	27557	End	30285
GI	none	Score	.43

Exons	27557..27631, 29855..29911, 30277..30285		
Seq. No.	15662	Seq. ID	OJ990817_02.9A01.C10
Gene No.	33129	Strand	-
Start	33672	End	34010
Name	OJ990817_02.9A01.C10.o9.gs	Method	GENSCAN
Start	33672	End	34010
GI	none	Score	.96
Exons	33672..34010		
Seq. No.	15662	Seq. ID	OJ990817_02.9A01.C10
Gene No.	33130	Strand	-
Start	37474	End	37742
Name	OJ990817_02.9A01.C10.o1.tw	Method	TBLASTX:Wheat
Start	216	End	13283
GI	none	Score	244
Exons	216..269, 12989..13279, 12992..13282, 13002..13283		
Seq. No.	15662	Seq. ID	OJ990817_02.9A01.C10
Gene No.	33130	Strand	-
Start	37474	End	37742
Name	OJ990817_02.9A01.C10.o1.tm	Method	TBLASTX:Maize
Start	12933	End	13703
GI	none	Score	477
Exons	12933..13427, 12998..13426, 13360..13404, 13377..13448, 13400..13690, 13502..13645, 13527..13703, 13564..13665, 13569..13691		
Seq. No.	15662	Seq. ID	OJ990817_02.9A01.C10
Gene No.	33130	Strand	-
Start	37474	End	37742
Name	OJ990817_02.9A01.C10.o1.tc	Method	TBLASTX:Cress
Start	13004	End	13546
GI	none	Score	58
Exons	13004..13093, 13005..13070, 13127..13237, 13128..13202, 13265..13399, 13269..13400, 13406..13546		
Seq. No.	15662	Seq. ID	OJ990817_02.9A01.C10
Gene No.	33130	Strand	-
Start	37474	End	37742
Name	OJ990817_02.9A01.C10.o1.ts	Method	TBLASTX:Soybean
Start	13004	End	14248
GI	none	Score	52
Exons	13004..13189, 13017..13094, 13104..13214, 13112..13237, 13244..13663, 13269..13418, 13661..13894, 13716..13895, 14030..14236, 14087..14248		
Seq. No.	15662	Seq. ID	OJ990817_02.9A01.C10
Gene No.	33130	Strand	-
Start	37474	End	37742
Name	OJ990817_02.9A01.C10.o3.tm	Method	TBLASTX:Maize
Start	13919	End	14529
GI	none	Score	102
Exons	13919..14020, 13920..14000, 14039..14236, 14087..14281, 14103..14282, 14318..14383, 14321..14377, 14325..14384, 14479..14529		

Seq. No.	15662	Seq. ID	OJ990817_02.9A01.C10
Gene No.	33130	Strand	-
Start	37474	End	37742
Name	OJ990817_02.9A01.C10.o5.tm	Method	TBLASTX:Maize
Start	21406	End	21775
GI	none	Score	114
Exons	21406..21585, 21407..21559, 21583..21771, 21602..21775		

Seq. No.	15662	Seq. ID	OJ990817_02.9A01.C10
Gene No.	33130	Strand	-
Start	37474	End	37742
Name	OJ990817_02.9A01.C10.o2.tm	Method	TBLASTX:Maize
Start	23064	End	23634
GI	none	Score	138
Exons	23064..23171, 23077..23172, 23086..23172, 23228..23425, 23250..23438, 23251..23436, 23251..23448, 23541..23633, 23542..23607, 23553..23633, 23554..23634		

Seq. No.	15662	Seq. ID	OJ990817_02.9A01.C10
Gene No.	33130	Strand	-
Start	37474	End	37742
Name	OJ990817_02.9A01.C10.o4.tm	Method	TBLASTX:Maize
Start	23904	End	24314
GI	none	Score	123
Exons	23904..24020, 23907..24020, 23908..24021, 24102..24182, 24110..24175, 24111..24176, 24121..24207, 24266..24313, 24267..24314		

Seq. No.	15662	Seq. ID	OJ990817_02.9A01.C10
Gene No.	33130	Strand	-
Start	37474	End	37742
Name	OJ990817_02.9A01.C10.o11.gs	Method	GENSCAN
Start	37474	End	37742
GI	none	Score	.4
Exons	37474..37668, 37674..37742		

Seq. No.	15663	Seq. ID	OJ990817_02.9A01.C11
Gene No.	33131	Strand	-
Start	309	End	722
Name	OJ990817_02.9A01.C11.o1.gs	Method	GENSCAN
Start	309	End	722
GI	none	Score	.49
Exons	309..476, 566..722		

Seq. No.	15664	Seq. ID	OJ990827_08.9A18.C1
Gene No.	33132	Strand	-
Start	128	End	518
Name	OJ990827_08.9A18.C1.o1.gs	Method	GENSCAN
Start	128	End	502
GI	none	Score	.62
Exons	128..502		

Seq. No.	15664	Seq. ID	OJ990827_08.9A18.C1
Gene No.	33132	Strand	-
Start	128	End	518
Name	OJ990827_08.9A18.C1.o1.np	Method	AAT/NAP
Start	275	End	518

GI	1755066	Score	104
Exons	275..518		
GI Descrip.	(U63012) lectin precursor [Sophora japonica]		

Seq. No.	15665	Seq. ID	OJ990827_08.9A18.C2
Gene No.	33133	Strand	+
Start	242	End	459
Name	OJ990827_08.9A18.C2.o1.gs	Method	GENSCAN
Start	242	End	459
GI	none	Score	.64
Exons	242..459		

Seq. No.	15666	Seq. ID	OJ990827_08.9A18.C3
Gene No.	33134	Strand	-
Start	470	End	606
Name	OJ990827_08.9A18.C3.o1.gs	Method	GENSCAN
Start	470	End	606
GI	none	Score	.68
Exons	470..606		

Seq. No.	15667	Seq. ID	OJ990827_08.9A18.C4
Gene No.	33135	Strand	+
Start	1	End	1393
Name	OJ990827_08.9A18.C4.o1.np	Method	AAT/NAP
Start	1	End	1393
GI	6729489	Score	595
Exons	1..596, 691..1393		
GI Descrip.	(AL132966) receptor lectin kinase-like protein [Arabidopsis thaliana]		

Seq. No.	15667	Seq. ID	OJ990827_08.9A18.C4
Gene No.	33135	Strand	+
Start	1	End	1393
Name	OJ990827_08.9A18.C4.o1.gs	Method	GENSCAN
Start	326	End	1360
GI	none	Score	.85
Exons	326..596, 691..1360		

Seq. No.	15667	Seq. ID	OJ990827_08.9A18.C4
Gene No.	33136	Strand	+
Start	11157	End	19625
Name	OJ990827_08.9A18.C4.o3.gs	Method	GENSCAN
Start	11157	End	19625
GI	none	Score	.62
Exons	11157..12514, 12616..13066, 13120..13259, 15549..15628, 17459..17610, 18354..18402, 18649..18752, 18827..19019, 19609..19625		

Seq. No.	15667	Seq. ID	OJ990827_08.9A18.C4
Gene No.	33136	Strand	+
Start	11157	End	19625
Name	OJ990827_08.9A18.C4.o2.np	Method	AAT/NAP
Start	11178	End	13192
GI	1418331	Score	735
Exons	11178..12072, 12130..12514, 12616..13192		
GI Descrip.	(X95909) receptor like protein kinase [Arabidopsis thaliana]		

Seq. No.	15667	Seq. ID	OJ990827_08.9A18.C4
Gene No.	33137	Strand	+
Start	21907	End	23560
Name	OJ990827_08.9A18.C4.o5.gs	Method	GENSCAN
Start	21907	End	23560
GI	none	Score	.63
Exons	21907..22080, 22277..22400, 22424..22465, 22607..22672, 23187..23276, 23295..23560		

Seq. No.	15667	Seq. ID	OJ990827_08.9A18.C4
Gene No.	33138	Strand	+
Start	24862	End	25182
Name	OJ990827_08.9A18.C4.o6.gs	Method	GENSCAN
Start	24862	End	25182
GI	none	Score	.95
Exons	24862..25182		

Seq. No.	15667	Seq. ID	OJ990827_08.9A18.C4
Gene No.	33139	Strand	+
Start	27257	End	36284
Name	OJ990827_08.9A18.C4.o8.gs	Method	GENSCAN
Start	27257	End	36284
GI	none	Score	.49
Exons	27257..27888, 29215..29361, 31368..32801, 33047..33364, 33426..33720, 35296..35407, 35777..36009, 36237..36284		

Seq. No.	15667	Seq. ID	OJ990827_08.9A18.C4
Gene No.	33139	Strand	+
Start	27257	End	36284
Name	OJ990827_08.9A18.C4.o4.np	Method	AAT/NAP
Start	30638	End	33602
GI	5545339	Score	716
Exons	30638..30825, 31581..32385, 32446..32801, 32900..33602		
GI Descrip.	(AB030083) lectin-like protein kinase [Populus nigra]		

Seq. No.	15667	Seq. ID	OJ990827_08.9A18.C4
Gene No.	33140	Strand	+
Start	45337	End	49798
Name	OJ990827_08.9A18.C4.o5.np	Method	AAT/NAP
Start	45337	End	49798
GI	5734729	Score	373
Exons	45337..45422, 48003..48322, 48420..48987, 49715..49798		
GI Descrip.	(AC007259) Very similar to receptor protein kinases [Arabidopsis thaliana]		

Seq. No.	15667	Seq. ID	OJ990827_08.9A18.C4
Gene No.	33141	Strand	+
Start	50943	End	52331
Name	OJ990827_08.9A18.C4.o6.np	Method	AAT/NAP
Start	50943	End	52331
GI	6539553	Score	2319
Exons	50943..52331		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi\|6539590\|dbj\|BAA88206.1\| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	15667	Seq. ID	OJ990827_08.9A18.C4
Gene No.	33142	Strand	-
Start	8192	End	9692
Name	OJ990827_08.9A18.C4.o2.gs	Method	GENSCAN
Start	8192	End	9692
GI	none	Score	.82
Exons	8192..8394, 9292..9321, 9662..9692		

Seq. No.	15667	Seq. ID	OJ990827_08.9A18.C4
Gene No.	33143	Strand	-
Start	20097	End	20345
Name	OJ990827_08.9A18.C4.o4.gs	Method	GENSCAN
Start	20097	End	20345
GI	none	Score	.96
Exons	20097..20345		

Seq. No.	15667	Seq. ID	OJ990827_08.9A18.C4
Gene No.	33144	Strand	-
Start	24500	End	27769
Name	OJ990827_08.9A18.C4.o3.np	Method	AAT/NAP
Start	24500	End	27769
GI	4325357	Score	390
Exons	24500..24531, 25765..26153, 26774..26933, 27137..27769		
GI Descrip.	(AF128395) contains similarity to Arabidopsis thaliana retrotransposon Athila hypothetical protein 1 (GB:X81801) [Arabidopsis thaliana]		

Seq. No.	15667	Seq. ID	OJ990827_08.9A18.C4
Gene No.	33144	Strand	-
Start	24500	End	27769
Name	OJ990827_08.9A18.C4.o7.gs	Method	GENSCAN
Start	25409	End	27064
GI	none	Score	.65
Exons	25409..25628, 25689..25926, 26030..26244, 26361..26454, 26494..26793, 26830..27064		

Seq. No.	15667	Seq. ID	OJ990827_08.9A18.C4
Gene No.	33145	Strand	-
Start	37017	End	48969
Name	OJ990827_08.9A18.C4.o6.tm	Method	TBLASTX:Maize
Start	324	End	48227
GI	none	Score	50
Exons	324..368, 325..357, 403..501, 411..500, 12174..12287, 12178..12279, 12191..12286, 12321..12419, 12329..12418, 12381..12419, 32461..32574, 32478..32573, 32608..32706, 32616..32705, 39095..39193, 39103..39192, 47970..48074, 47982..48095, 47999..48094, 48129..48227, 48137..48226, 48177..48227		

Seq. No.	15667	Seq. ID	OJ990827_08.9A18.C4
Gene No.	33145	Strand	-
Start	37017	End	48969
Name	OJ990827_08.9A18.C4.o1.tc	Method	TBLASTX:Cress
Start	325	End	48945
GI	none	Score	64
Exons	325..405, 400..564, 686..853, 689..868, 868..999, 872..1009, 1031..1240, 11850..11945, 12138..12323, 12324..12482,		

12611..12766, 12614..12775, 12628..12771, 12793..12924,
12797..12925, 12941..13141, 32425..32628, 32611..32769,
32897..33055, 32898..33089, 33077..33208, 33081..33218,
33219..33404, 33240..33449, 39098..39256, 39383..39541,
39384..39575, 39563..39694, 39567..39704, 39726..39926,
47475..47525, 47553..47753, 47946..48131, 48132..48290,
48417..48524, 48418..48579, 48597..48728, 48601..48729,
48745..48945, 48762..48923

Seq. No.	15667	Seq. ID	OJ990827_08.9A18.C4
Gene No.	33145	Strand	-
Start	37017	End	48969
Name	OJ990827_08.9A18.C4.o1.ts	Method	TBLASTX:Soybean
Start	334	End	48690
GI	none	Score	51

Exons 334..390, 400..597, 659..850, 686..850, 872..961, 12252..12308,
12324..12545, 12611..12775, 12797..12886, 32539..32595,
32611..32805, 32894..33055, 32895..33059, 33081..33170,
33081..33137, 39098..39304, 39380..39571, 39381..39545,
39567..39656, 39567..39623, 48060..48116, 48132..48335,
48415..48579, 48601..48690

Seq. No.	15667	Seq. ID	OJ990827_08.9A18.C4
Gene No.	33145	Strand	-
Start	37017	End	48969
Name	OJ990827_08.9A18.C4.o1.tm	Method	TBLASTX:Maize
Start	508	End	48969
GI	none	Score	91

Exons 508..600, 689..850, 769..849, 872..1000, 883..999, 1037..1270,
1037..1222, 1039..1257, 12420..12545, 12614..12775,
12631..12777, 12797..12925, 12962..13177, 32707..32802,
32897..33058, 32898..33059, 32937..33059, 33081..33236,
33246..33479, 39194..39289, 39383..39550, 39384..39545,
39567..39722, 39732..39944, 39734..39886, 48228..48332,
48397..48579, 48417..48584, 48600..48740, 48601..48729,
48766..48969, 48768..48920

Seq. No.	15667	Seq. ID	OJ990827_08.9A18.C4
Gene No.	33145	Strand	-
Start	37017	End	48969
Name	OJ990827_08.9A18.C4.o3.tw	Method	TBLASTX:Wheat
Start	689	End	48732
GI	none	Score	138

Exons 689..841, 755..832, 883..999, 884..1003, 12614..12763,
12796..12924, 12797..12928, 32897..33037, 32898..33047,
33080..33208, 33081..33212, 39383..39523, 39384..39533,
39566..39694, 39567..39698, 48418..48570, 48601..48732,
48612..48728

Seq. No.	15667	Seq. ID	OJ990827_08.9A18.C4
Gene No.	33145	Strand	-
Start	37017	End	48969
Name	OJ990827_08.9A18.C4.o5.tm	Method	TBLASTX:Maize
Start	11358	End	47417
GI	none	Score	101

Exons 11358..11462, 11366..11461, 11471..11611, 11472..11612,
31530..31796, 31594..31842, 31612..31842, 47175..47417,

47181..47417

Seq. No.	15667	Seq. ID	OJ990827_08.9A18.C4
Gene No.	33145	Strand	-
Start	37017	End	48969
Name	OJ990827_08.9A18.C4.o2.ts	Method	TBLASTX:Soybean
Start	11364	End	47714
GI	none	Score	102
Exons	11364..11480, 11475..11579, 11586..11660, 11673..11720, 11835..11915, 31348..31503, 31515..31556, 31588..31743, 31605..31742, 31834..31890, 31842..31931, 31903..31950, 32071..32151, 47166..47318, 47201..47317, 47391..47465, 47405..47500, 47478..47519, 47637..47714		

Seq. No.	15667	Seq. ID	OJ990827_08.9A18.C4
Gene No.	33145	Strand	-
Start	37017	End	48969
Name	OJ990827_08.9A18.C4.o4.tw	Method	TBLASTX:Wheat
Start	25940	End	26320
GI	none	Score	62
Exons	25940..26095, 25941..26096, 26177..26320		

Seq. No.	15667	Seq. ID	OJ990827_08.9A18.C4
Gene No.	33145	Strand	-
Start	37017	End	48969
Name	OJ990827_08.9A18.C4.o3.ts	Method	TBLASTX:Soybean
Start	27146	End	27556
GI	none	Score	70
Exons	27146..27421, 27452..27556		

Seq. No.	15667	Seq. ID	OJ990827_08.9A18.C4
Gene No.	33145	Strand	-
Start	37017	End	48969
Name	OJ990827_08.9A18.C4.o2.tw	Method	TBLASTX:Wheat
Start	27209	End	27556
GI	none	Score	105
Exons	27209..27421, 27440..27556		

Seq. No.	15667	Seq. ID	OJ990827_08.9A18.C4
Gene No.	33145	Strand	-
Start	37017	End	48969
Name	OJ990827_08.9A18.C4.o9.gs	Method	GENSCAN
Start	37017	End	37223
GI	none	Score	.5
Exons	37017..37223		

Seq. No.	15667	Seq. ID	OJ990827_08.9A18.C4
Gene No.	33145	Strand	-
Start	37017	End	48969
Name	OJ990827_08.9A18.C4.o4.tm	Method	TBLASTX:Maize
Start	42305	End	43261
GI	none	Score	50
Exons	42305..42397, 42314..42403, 42362..42430, 42435..42560, 42440..42577, 42447..42554, 42464..42550, 42469..42558, 42472..42573, 42473..42553, 42474..42617, 42476..42553, 42477..42584, 42587..42685, 42587..42685, 42594..42749, 42594..42707, 42606..42707, 42609..42713, 42615..42698,		

42616..42672, 42616..42672, 42738..42860, 42748..42870,
42749..42877, 42750..42908, 42755..42904, 42757..42870,
42758..42898, 42758..42889, 42758..42922, 42762..42938,
42764..42916, 42764..42913, 42784..42822, 42834..42944,
42851..42943, 42905..42997, 42905..42997, 42932..43009,
42934..43098, 42935..43078, 42938..43084, 42939..43085,
42941..43087, 42944..43099, 42946..43107, 42946..43092,
42949..43089, 42978..43088, 42982..43089, 42988..43107,
42994..43254, 43026..43064, 43140..43241, 43141..43242,
43141..43254, 43147..43233, 43160..43261, 43161..43244

Seq. No.	15667	Seq. ID	OJ990827_08.9A18.C4
Gene No.	33146	Strand	
Start	50937	End	51385
Name	OJ990827_08.9A18.C4.o1.tw	Method	TBLASTX:Wheat
Start	50937	End	51324
GI	none	Score	350
Exons	50937..51323, 50948..51319, 51067..51324		

Seq. No.	15667	Seq. ID	OJ990827_08.9A18.C4
Gene No.	33146	Strand	
Start	50937	End	51385
Name	OJ990827_08.9A18.C4.o3.tm	Method	TBLASTX:Maize
Start	51072	End	51385
GI	none	Score	340
Exons	51072..51383, 51078..51380, 51104..51385		

Seq. No.	15667	Seq. ID	OJ990827_08.9A18.C4
Gene No.	33147	Strand	
Start	51840	End	52204
Name	OJ990827_08.9A18.C4.o2.tm	Method	TBLASTX:Maize
Start	51840	End	52204
GI	none	Score	259
Exons	51840..52202, 51883..52137, 51890..52204, 51910..52203		

Seq. No.	15668	Seq. ID	OJ990827_08.9A18.C5
Gene No.	33148	Strand	+
Start	1	End	1468
Name	OJ990827_08.9A18.C5.o1.np	Method	AAT/NAP
Start	1	End	1468
GI	6539553	Score	2415
Exons	1..1468		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi\|6539590\|dbj\|BAA88206.1\| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	15668	Seq. ID	OJ990827_08.9A18.C5
Gene No.	33148	Strand	+
Start	1	End	1468
Name	OJ990827_08.9A18.C5.o3.tw	Method	TBLASTX:Wheat
Start	21	End	215
GI	none	Score	259
Exons	21..215, 24..215		

Seq. No.	15668	Seq. ID	OJ990827_08.9A18.C5
Gene No.	33148	Strand	+

Start	1	End	1468
Name	OJ990827_08.9A18.C5.o2.tm	Method	TBLASTX:Maize
Start	72	End	566
GI	none	Score	225
Exons	72..380, 161..346, 399..566		

Seq. No.	15668	Seq. ID	OJ990827_08.9A18.C5
Gene No.	33148	Strand	+
Start	1	End	1468
Name	OJ990827_08.9A18.C5.o2.ts	Method	TBLASTX:Soybean
Start	168	End	566
GI	none	Score	192
Exons	168..392, 176..346, 183..377, 393..566, 401..439		

Seq. No.	15668	Seq. ID	OJ990827_08.9A18.C5
Gene No.	33148	Strand	+
Start	1	End	1468
Name	OJ990827_08.9A18.C5.o2.tc	Method	TBLASTX:Cress
Start	201	End	590
GI	none	Score	107
Exons	201..383, 396..590		

Seq. No.	15668	Seq. ID	OJ990827_08.9A18.C5
Gene No.	33148	Strand	+
Start	1	End	1468
Name	OJ990827_08.9A18.C5.o1.tw	Method	TBLASTX:Wheat
Start	216	End	971
GI	none	Score	912
Exons	216..971, 224..703, 723..971		

Seq. No.	15668	Seq. ID	OJ990827_08.9A18.C5
Gene No.	33148	Strand	+
Start	1	End	1468
Name	OJ990827_08.9A18.C5.o1.ts	Method	TBLASTX:Soybean
Start	891	End	1355
GI	5509260	Score	346
Exons	891..1355, 1109..1210, 1292..1336		
GI Descrip.	-		

Seq. No.	15668	Seq. ID	OJ990827_08.9A18.C5
Gene No.	33148	Strand	+
Start	1	End	1468
Name	OJ990827_08.9A18.C5.o1.tc	Method	TBLASTX:Cress
Start	984	End	1244
GI	none	Score	269
Exons	984..1244, 986..1063		

Seq. No.	15668	Seq. ID	OJ990827_08.9A18.C5
Gene No.	33148	Strand	+
Start	1	End	1468
Name	OJ990827_08.9A18.C5.o1.tm	Method	TBLASTX:Maize
Start	1026	End	1457
GI	none	Score	314
Exons	1026..1457, 1161..1316, 1304..1387		

Seq. No.	15668	Seq. ID	OJ990827_08.9A18.C5
Gene No.	33148	Strand	+

Start	1	End	1468
Name	OJ990827_08.9A18.C5.o2.tw	Method	TBLASTX:Wheat
Start	1026	End	1466
GI	none	Score	282
Exons	1026..1370, 1362..1466		

Seq. No.	15669	Seq. ID	OJ990827_08.9A18.C6
Gene No.	33149	Strand	+
Start	1	End	16017
Name	OJ990827_08.9A18.C6.o1.np	Method	AAT/NAP
Start	1	End	3770
GI	6539553	Score	1329
Exons	1..565, 3454..3770		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi\|6539590\|dbj\|BAA88206.1\| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	15669	Seq. ID	OJ990827_08.9A18.C6
Gene No.	33149	Strand	+
Start	1	End	16017
Name	OJ990827_08.9A18.C6.o1.gs	Method	GENSCAN
Start	100	End	16017
GI	none	Score	.66
Exons	100..287, 1118..1328, 1349..1530, 1584..1686, 1958..2027, 3911..4152, 6545..6698, 7137..7209, 7677..9044, 9217..9449, 9504..9810, 9816..9887, 11567..11762, 14086..14280, 15568..16017		

Seq. No.	15669	Seq. ID	OJ990827_08.9A18.C6
Gene No.	33149	Strand	+
Start	1	End	16017
Name	OJ990827_08.9A18.C6.o2.np	Method	AAT/NAP
Start	7723	End	9793
GI	1418331	Score	721
Exons	7723..8632, 8666..9030, 9200..9793		
GI Descrip.	(X95909) receptor like protein kinase [Arabidopsis thaliana]		

Seq. No.	15669	Seq. ID	OJ990827_08.9A18.C6
Gene No.	33150	Strand	-
Start	11514	End	13284
Name	OJ990827_08.9A18.C6.o5.ts	Method	TBLASTX:Soybean
Start	4	End	261
GI	none	Score	197
Exons	4..261		

Seq. No.	15669	Seq. ID	OJ990827_08.9A18.C6
Gene No.	33150	Strand	-
Start	11514	End	13284
Name	OJ990827_08.9A18.C6.o2.tm	Method	TBLASTX:Maize
Start	81	End	419
GI	none	Score	123
Exons	81..269, 82..252, 143..265, 269..418, 270..419		

Seq. No.	15669	Seq. ID	OJ990827_08.9A18.C6
Gene No.	33150	Strand	-
Start	11514	End	13284
Name	OJ990827_08.9A18.C6.o1.tw	Method	TBLASTX:Wheat

Start	275	End	3639
GI	none	Score	101
Exons	275..346, 276..350, 276..356, 365..559, 365..565, 366..566, 366..566, 370..567, 3446..3601, 3450..3638, 3451..3639, 3452..3604, 3499..3639		

Seq. No.	15669	Seq. ID	OJ990827_08.9A18.C6
Gene No.	33150	Strand	-
Start	11514	End	13284
Name	OJ990827_08.9A18.C6.o4.ts	Method	TBLASTX:Soybean
Start	282	End	562
GI	none	Score	87
Exons	282..395, 308..388, 414..560, 419..562		

Seq. No.	15669	Seq. ID	OJ990827_08.9A18.C6
Gene No.	33150	Strand	-
Start	11514	End	13284
Name	OJ990827_08.9A18.C6.o2.ts	Method	TBLASTX:Soybean
Start	7741	End	8451
GI	none	Score	172
Exons	7741..8064, 7782..8063, 8131..8208, 8148..8204, 8206..8268, 8305..8451		

Seq. No.	15669	Seq. ID	OJ990827_08.9A18.C6
Gene No.	33150	Strand	-
Start	11514	End	13284
Name	OJ990827_08.9A18.C6.o3.tm	Method	TBLASTX:Maize
Start	7899	End	8151
GI	none	Score	194
Exons	7899..8150, 7921..8151		

Seq. No.	15669	Seq. ID	OJ990827_08.9A18.C6
Gene No.	33150	Strand	-
Start	11514	End	13284
Name	OJ990827_08.9A18.C6.o1.tc	Method	TBLASTX:Cress
Start	8395	End	9766
GI	none	Score	81
Exons	8395..8496, 8668..8853, 8854..9012, 9200..9394, 9212..9376, 9394..9525, 9398..9526, 9542..9766		

Seq. No.	15669	Seq. ID	OJ990827_08.9A18.C6
Gene No.	33150	Strand	-
Start	11514	End	13284
Name	OJ990827_08.9A18.C6.o4.tm	Method	TBLASTX:Maize
Start	8704	End	8949
GI	none	Score	98
Exons	8704..8805, 8724..8816, 8851..8949, 8859..8948		

Seq. No.	15669	Seq. ID	OJ990827_08.9A18.C6
Gene No.	33150	Strand	-
Start	11514	End	13284
Name	OJ990827_08.9A18.C6.o3.ts	Method	TBLASTX:Soybean
Start	8734	End	9009
GI	none	Score	105
Exons	8734..8859, 8854..9009		

Seq. No.	15669	Seq. ID	OJ990827_08.9A18.C6

Gene No.	33150	Strand	-
Start	11514	End	13284
Name	OJ990827_08.9A18.C6.o1.tm	Method	TBLASTX:Maize
Start	8950	End	9796
GI	none	Score	90
Exons	8950..9045, 9200..9379, 9256..9378, 9398..9526, 9409..9537, 9563..9796, 9563..9748		

Seq. No.	15669	Seq. ID	OJ990827_08.9A18.C6
Gene No.	33150	Strand	-
Start	11514	End	13284
Name	OJ990827_08.9A18.C6.o2.tw	Method	TBLASTX:Wheat
Start	9215	End	9529
GI	none	Score	143
Exons	9215..9367, 9409..9525, 9410..9529		

Seq. No.	15669	Seq. ID	OJ990827_08.9A18.C6
Gene No.	33150	Strand	-
Start	11514	End	13284
Name	OJ990827_08.9A18.C6.o1.ts	Method	TBLASTX:Soybean
Start	9220	End	9640
GI	none	Score	187
Exons	9220..9381, 9224..9391, 9409..9519, 9410..9520, 9536..9637, 9563..9640		

Seq. No.	15669	Seq. ID	OJ990827_08.9A18.C6
Gene No.	33150	Strand	-
Start	11514	End	13284
Name	OJ990827_08.9A18.C6.o3.np	Method	AAT/NAP
Start	11514	End	13284
GI	5922620	Score	160
Exons	11514..11695, 13264..13284		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6016853\|dbj\|BAA85196.1\| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	15670	Seq. ID	OJ990827_08.9A18.C7
Gene No.	33151	Strand	+
Start	430	End	601
Name	OJ990827_08.9A18.C7.o1.np	Method	AAT/NAP
Start	430	End	601
GI	6063554	Score	96
Exons	430..601		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	15670	Seq. ID	OJ990827_08.9A18.C7
Gene No.	33152	Strand	+
Start	1786	End	2583
Name	OJ990827_08.9A18.C7.o1.gs	Method	GENSCAN
Start	1786	End	2583
GI	none	Score	.95
Exons	1786..2583		

Seq. No.	15670	Seq. ID	OJ990827_08.9A18.C7
Gene No.	33152	Strand	+
Start	1786	End	2583
Name	OJ990827_08.9A18.C7.o2.np	Method	AAT/NAP
Start	1786	End	2580
GI	4512231	Score	1302
Exons	1786..2580		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	15670	Seq. ID	OJ990827_08.9A18.C7
Gene No.	33153	Strand	+
Start	2525	End	12295
Name	OJ990827_08.9A18.C7.o3.np	Method	AAT/NAP
Start	2525	End	7265
GI	4680179	Score	5626
Exons	2525..2570, 2847..3836, 3864..7265		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	15670	Seq. ID	OJ990827_08.9A18.C7
Gene No.	33153	Strand	+
Start	2525	End	12295
Name	OJ990827_08.9A18.C7.o2.gs	Method	GENSCAN
Start	2847	End	7268
GI	none	Score	.55
Exons	2847..3776, 3843..3942, 3991..7268		

Seq. No.	15670	Seq. ID	OJ990827_08.9A18.C7
Gene No.	33153	Strand	+
Start	2525	End	12295
Name	OJ990827_08.9A18.C7.o4.np	Method	AAT/NAP
Start	4330	End	9596
GI	6063554	Score	142
Exons	4330..4370, 8027..8229, 8314..8359, 9425..9596		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	15670	Seq. ID	OJ990827_08.9A18.C7
Gene No.	33153	Strand	+
Start	2525	End	12295
Name	OJ990827_08.9A18.C7.o5.np	Method	AAT/NAP
Start	7225	End	12295
GI	5295955	Score	274
Exons	7225..7313, 10521..10589, 11129..11242, 11928..12295		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	15670	Seq. ID	OJ990827_08.9A18.C7
Gene No.	33153	Strand	+
Start	2525	End	12295
Name	OJ990827_08.9A18.C7.o4.gs	Method	GENSCAN
Start	9755	End	11749
GI	none	Score	.55
Exons	9755..9789, 10501..10657, 11065..11183, 11668..11749		

Seq. No.	15670	Seq. ID	OJ990827_08.9A18.C7
Gene No.	33153	Strand	+

Start	2525	End	12295
Name	OJ990827_08.9A18.C7.o5.gs	Method	GENSCAN
Start	12099	End	12251
GI	none	Score	.56
Exons	12099..12251		

Seq. No.	15670	Seq. ID	OJ990827_08.9A18.C7
Gene No.	33154	Strand	-
Start	7826	End	8398
Name	OJ990827_08.9A18.C7.o9.tw	Method	TBLASTX:Wheat
Start	3008	End	3206
GI	none	Score	189
Exons	3008..3205, 3018..3206, 3024..3206		

Seq. No.	15670	Seq. ID	OJ990827_08.9A18.C7
Gene No.	33154	Strand	-
Start	7826	End	8398
Name	OJ990827_08.9A18.C7.o6.tm	Method	TBLASTX:Maize
Start	3258	End	3563
GI	none	Score	237
Exons	3258..3563		

Seq. No.	15670	Seq. ID	OJ990827_08.9A18.C7
Gene No.	33154	Strand	-
Start	7826	End	8398
Name	OJ990827_08.9A18.C7.o7.tw	Method	TBLASTX:Wheat
Start	3258	End	3608
GI	none	Score	312
Exons	3258..3608		

Seq. No.	15670	Seq. ID	OJ990827_08.9A18.C7
Gene No.	33154	Strand	-
Start	7826	End	8398
Name	OJ990827_08.9A18.C7.o8.tw	Method	TBLASTX:Wheat
Start	3942	End	4295
GI	none	Score	253
Exons	3942..4295, 4032..4226		

Seq. No.	15670	Seq. ID	OJ990827_08.9A18.C7
Gene No.	33154	Strand	-
Start	7826	End	8398
Name	OJ990827_08.9A18.C7.o7.tm	Method	TBLASTX:Maize
Start	4299	End	4492
GI	none	Score	188
Exons	4299..4490, 4337..4492		

Seq. No.	15670	Seq. ID	OJ990827_08.9A18.C7
Gene No.	33154	Strand	-
Start	7826	End	8398
Name	OJ990827_08.9A18.C7.o4.tw	Method	TBLASTX:Wheat
Start	4427	End	4911
GI	none	Score	535
Exons	4427..4867, 4428..4910, 4464..4907, 4537..4911		

Seq. No.	15670	Seq. ID	OJ990827_08.9A18.C7
Gene No.	33154	Strand	-
Start	7826	End	8398

Name	OJ990827_08.9A18.C7.o4.ts	Method	TBLASTX:Soybean
Start	4464	End	4778
GI	none	Score	198
Exons	4464..4778		

Seq. No.	15670	Seq. ID	OJ990827_08.9A18.C7
Gene No.	33154	Strand	-
Start	7826	End	8398
Name	OJ990827_08.9A18.C7.o4.tm	Method	TBLASTX:Maize
Start	4493	End	4940
GI	none	Score	373
Exons	4493..4735, 4497..4940		

Seq. No.	15670	Seq. ID	OJ990827_08.9A18.C7
Gene No.	33154	Strand	-
Start	7826	End	8398
Name	OJ990827_08.9A18.C7.o1.ts	Method	TBLASTX:Soybean
Start	4851	End	5246
GI	none	Score	57
Exons	4851..4883, 4851..4883, 4887..4940, 4889..4930, 4995..5246, 5003..5236		

Seq. No.	15670	Seq. ID	OJ990827_08.9A18.C7
Gene No.	33154	Strand	-
Start	7826	End	8398
Name	OJ990827_08.9A18.C7.o5.tm	Method	TBLASTX:Maize
Start	4995	End	5327
GI	none	Score	303
Exons	4995..5327, 5048..5326		

Seq. No.	15670	Seq. ID	OJ990827_08.9A18.C7
Gene No.	33154	Strand	-
Start	7826	End	8398
Name	OJ990827_08.9A18.C7.o5.tw	Method	TBLASTX:Wheat
Start	4998	End	5261
GI	none	Score	367
Exons	4998..5261, 5000..5260, 5010..5261		

Seq. No.	15670	Seq. ID	OJ990827_08.9A18.C7
Gene No.	33154	Strand	-
Start	7826	End	8398
Name	OJ990827_08.9A18.C7.o3.tw	Method	TBLASTX:Wheat
Start	5262	End	5687
GI	none	Score	598
Exons	5262..5687, 5264..5680, 5337..5687		

Seq. No.	15670	Seq. ID	OJ990827_08.9A18.C7
Gene No.	33154	Strand	-
Start	7826	End	8398
Name	OJ990827_08.9A18.C7.o3.ts	Method	TBLASTX:Soybean
Start	5268	End	5516
GI	none	Score	207
Exons	5268..5516		

Seq. No.	15670	Seq. ID	OJ990827_08.9A18.C7
Gene No.	33154	Strand	-
Start	7826	End	8398

Name	OJ990827_08.9A18.C7.o2.tm	Method	TBLASTX:Maize
Start	5334	End	5687
GI	none	Score	463
Exons	5334..5687, 5339..5680		

Seq. No.	15670	Seq. ID	OJ990827_08.9A18.C7
Gene No.	33154	Strand	-
Start	7826	End	8398
Name	OJ990827_08.9A18.C7.o2.tw	Method	TBLASTX:Wheat
Start	5715	End	6254
GI	none	Score	617
Exons	5715..6254, 5897..6232		

Seq. No.	15670	Seq. ID	OJ990827_08.9A18.C7
Gene No.	33154	Strand	-
Start	7826	End	8398
Name	OJ990827_08.9A18.C7.o2.ts	Method	TBLASTX:Soybean
Start	6042	End	6302
GI	none	Score	286
Exons	6042..6302, 6053..6301		

Seq. No.	15670	Seq. ID	OJ990827_08.9A18.C7
Gene No.	33154	Strand	-
Start	7826	End	8398
Name	OJ990827_08.9A18.C7.o3.tm	Method	TBLASTX:Maize
Start	6101	End	6392
GI	none	Score	396
Exons	6101..6388, 6102..6392, 6234..6389		

Seq. No.	15670	Seq. ID	OJ990827_08.9A18.C7
Gene No.	33154	Strand	-
Start	7826	End	8398
Name	OJ990827_08.9A18.C7.o1.tw	Method	TBLASTX:Wheat
Start	6267	End	6887
GI	none	Score	703
Exons	6267..6887, 6317..6766, 6827..6886		

Seq. No.	15670	Seq. ID	OJ990827_08.9A18.C7
Gene No.	33154	Strand	-
Start	7826	End	8398
Name	OJ990827_08.9A18.C7.o1.tm	Method	TBLASTX:Maize
Start	6440	End	7025
GI	none	Score	225
Exons	6440..6595, 6441..6602, 6599..6763, 6600..7025, 6720..7004, 6827..7024		

Seq. No.	15670	Seq. ID	OJ990827_08.9A18.C7
Gene No.	33154	Strand	-
Start	7826	End	8398
Name	OJ990827_08.9A18.C7.o6.tw	Method	TBLASTX:Wheat
Start	6887	End	7220
GI	none	Score	313
Exons	6887..7168, 6888..7220, 7038..7169		

Seq. No.	15670	Seq. ID	OJ990827_08.9A18.C7
Gene No.	33154	Strand	-
Start	7826	End	8398

Name	OJ990827_08.9A18.C7.o3.gs	Method	GENSCAN
Start	7826	End	8398
GI	none	Score	.72
Exons	7826..8398		

Seq. No.	15671	Seq. ID	OJ990827_08.9A18.C8
Gene No.	33155	Strand	+
Start	5748	End	5947
Name	OJ990827_08.9A18.C8.o1.np	Method	AAT/NAP
Start	4590	End	5040
GI	4150908	Score	177
Exons	4590..5040		
GI Descrip.	(Y18166) calmodulin [Suberites domuncula]		

Seq. No.	15671	Seq. ID	OJ990827_08.9A18.C8
Gene No.	33155	Strand	+
Start	5748	End	5947
Name	OJ990827_08.9A18.C8.o2.gs	Method	GENSCAN
Start	5748	End	5947
GI	none	Score	.91
Exons	5748..5947		

Seq. No.	15672	Seq. ID	OJ990917_09.9A29.C1
Gene No.	33156	Strand	+
Start	1	End	833
Name	OJ990917_09.9A29.C1.o1.np	Method	AAT/NAP
Start	1	End	833
GI	3142301	Score	165
Exons	1..73, 167..292, 404..833		
GI Descrip.	(AC002411) Contains similarity to neural cell adhesion molecule 2, large isoform precursor gb\|M76710 from Xenopus laevis, and beta transducin from S. cerevisiae gb\|Q05946. ESTs gb\|N65081 gb\|Z30910, gb\|Z34190, gb\|Z34611, gb\|R30101, gb\|H3630...		

Seq. No.	15672	Seq. ID	OJ990917_09.9A29.C1
Gene No.	33156	Strand	+
Start	1	End	833
Name	OJ990917_09.9A29.C1.o1.tc	Method	TBLASTX:Cress
Start	31	End	486
GI	none	Score	68
Exons	31..75, 32..76, 164..292, 166..291, 400..486, 401..484		

Seq. No.	15672	Seq. ID	OJ990917_09.9A29.C1
Gene No.	33156	Strand	+
Start	1	End	833
Name	OJ990917_09.9A29.C1.o1.ts	Method	TBLASTX:Soybean
Start	32	End	492
GI	none	Score	68
Exons	32..76, 164..295, 169..297, 172..294, 402..488, 403..492, 412..492		

Seq. No.	15672	Seq. ID	OJ990917_09.9A29.C1
Gene No.	33156	Strand	+
Start	1	End	833
Name	OJ990917_09.9A29.C1.o1.gs	Method	GENSCAN
Start	167	End	832
GI	none	Score	.82

Exons	167..292, 404..832		
Seq. No.	15672	Seq. ID	OJ990917_09.9A29.C1
Gene No.	33156	Strand	+
Start	1	End	833
Name	OJ990917_09.9A29.C1.o1.tm	Method	TBLASTX:Maize
Start	250	End	602
GI	none	Score	71
Exons	250..294, 254..295, 401..601, 403..600, 510..602		
Seq. No.	15673	Seq. ID	OJ990917_09.9A29.C2
Gene No.	33157	Strand	+
Start	615	End	677
Name	OJ990917_09.9A29.C2.o1.gp	Method	AAT/GAP
Start	615	End	677
GI	16490_1.R1084	Score	90
Exons	615..677		
GI Descrip.	'4584525/emb\|CAB40756.1\| 7.0e-38 (AL049607) protein phosphatase 2C-like protein [Arabidopsis thaliana]'		
Seq. No.	15673	Seq. ID	OJ990917_09.9A29.C2
Gene No.	33158	Strand	-
Start	1	End	1239
Name	OJ990917_09.9A29.C2.o1.np	Method	AAT/NAP
Start	1	End	1239
GI	3790102	Score	456
Exons	1..41, 256..370, 466..582, 731..835, 922..978, 1062..1106, 1188..1239		
GI Descrip.	(AF095521) pyrophosphate-dependent phosphofructokinase alpha subunit [Citrus X paradisi]		
Seq. No.	15673	Seq. ID	OJ990917_09.9A29.C2
Gene No.	33158	Strand	-
Start	1	End	1239
Name	OJ990917_09.9A29.C2.o1.tm	Method	TBLASTX:Maize
Start	181	End	1239
GI	none	Score	87
Exons	181..366, 261..368, 267..371, 269..370, 451..579, 467..580, 467..580, 710..835, 732..836, 919..981, 925..981, 1059..1097, 1063..1107, 1176..1238, 1177..1239		
Seq. No.	15673	Seq. ID	OJ990917_09.9A29.C2
Gene No.	33158	Strand	-
Start	1	End	1239
Name	OJ990917_09.9A29.C2.o1.gs	Method	GENSCAN
Start	263	End	936
GI	none	Score	.68
Exons	263..370, 731..835, 922..936		
Seq. No.	15673	Seq. ID	OJ990917_09.9A29.C2
Gene No.	33158	Strand	-
Start	1	End	1239
Name	OJ990917_09.9A29.C2.o1.ts	Method	TBLASTX:Soybean
Start	269	End	1238
GI	none	Score	76
Exons	269..370, 273..368, 465..581, 469..582, 473..583, 728..835, 729..836, 730..840, 753..836, 922..981, 1059..1097, 1176..1238		

Seq. No.	15674	Seq. ID	OJ990917_09.9A29.C3
Gene No.	33159	Strand	
Start	62	End	417
Name	OJ990917_09.9A29.C3.o1.tw	Method	TBLASTX:Wheat
Start	62	End	417
GI	none	Score	57
Exons	62..148, 67..291, 81..263, 290..322, 292..417		

Seq. No.	15675	Seq. ID	OJ990917_09.9A29.C4
Gene No.	33160	Strand	-
Start	251	End	666
Name	OJ990917_09.9A29.C4.o1.gp	Method	AAT/GAP
Start	251	End	666
GI	3759837	Score	731
Exons	251..666		

Seq. No.	15676	Seq. ID	OJ990917_09.9A29.C5
Gene No.	33161	Strand	+
Start	1	End	1169
Name	OJ990917_09.9A29.C5.o1.np	Method	AAT/NAP
Start	1	End	1169
GI	2460251	Score	324
Exons	1..77, 309..463, 698..798, 1145..1169		
GI Descrip.	(AF020791) ferrochelatase [Hordeum vulgare]		

Seq. No.	15676	Seq. ID	OJ990917_09.9A29.C5
Gene No.	33161	Strand	+
Start	1	End	1169
Name	OJ990917_09.9A29.C5.o1.tc	Method	TBLASTX:Cress
Start	308	End	819
GI	none	Score	206
Exons	308..463, 311..463, 689..793, 692..796, 697..819		

Seq. No.	15676	Seq. ID	OJ990917_09.9A29.C5
Gene No.	33161	Strand	+
Start	1	End	1169
Name	OJ990917_09.9A29.C5.o1.ts	Method	TBLASTX:Soybean
Start	308	End	819
GI	none	Score	219
Exons	308..463, 311..463, 692..796, 695..796, 696..797, 697..819		

Seq. No.	15676	Seq. ID	OJ990917_09.9A29.C5
Gene No.	33161	Strand	+
Start	1	End	1169
Name	OJ990917_09.9A29.C5.o1.tm	Method	TBLASTX:Maize
Start	308	End	819
GI	none	Score	254
Exons	308..463, 311..463, 668..796, 695..796, 696..803, 697..816, 697..819		

Seq. No.	15676	Seq. ID	OJ990917_09.9A29.C5
Gene No.	33161	Strand	+
Start	1	End	1169
Name	OJ990917_09.9A29.C5.o1.gs	Method	GENSCAN
Start	311	End	798
GI	none	Score	.84

Exons	311..463, 698..798		
Seq. No.	15676	Seq. ID	OJ990917_09.9A29.C5
Gene No.	33161	Strand	+
Start	1	End	1169
Name	OJ990917_09.9A29.C5.o1.gp	Method	AAT/GAP
Start	334	End	798
GI	61190_1.R1084	Score	425
Exons	334..463, 698..798		
GI Descrip.	'1170242/sp\|P42045\|HEMZ_HORVU 4.0e-54 FERROCHELATASE PRECURSOR (PROTOHEME FERRO-LYASE) (HEME SYNTHETASE) >gi_474966_dbj_BAA05101_ (D26105) ferrochelatase [Hordeum vulgare]'		
Seq. No.	15677	Seq. ID	OJ990917_09.9A29.C6
Gene No.	33162	Strand	-
Start	94	End	1487
Name	OJ990917_09.9A29.C6.o1.gs	Method	GENSCAN
Start	94	End	1440
GI	none	Score	.81
Exons	94..264, 576..686, 781..906, 1317..1440		
Seq. No.	15677	Seq. ID	OJ990917_09.9A29.C6
Gene No.	33162	Strand	-
Start	94	End	1487
Name	OJ990917_09.9A29.C6.o1.gp	Method	AAT/GAP
Start	238	End	1456
GI	13023_1.R1084	Score	1340
Exons	238..686, 781..906, 1317..1456		
GI Descrip.	'4510363/gb\|AAD21451.1\| 6.0e-67 (AC007017) putative DNA-binding protein [Arabidopsis thaliana]'		
Seq. No.	15677	Seq. ID	OJ990917_09.9A29.C6
Gene No.	33162	Strand	-
Start	94	End	1487
Name	OJ990917_09.9A29.C6.o1.np	Method	AAT/NAP
Start	549	End	1487
GI	4510363	Score	603
Exons	549..686, 781..906, 1317..1487		
GI Descrip.	(AC007017) putative ubiquitin-conjugating enzyme [Arabidopsis thaliana]		
Seq. No.	15677	Seq. ID	OJ990917_09.9A29.C6
Gene No.	33163	Strand	-
Start	2746	End	2931
Name	OJ990917_09.9A29.C6.o1.tm	Method	TBLASTX:Maize
Start	522	End	1458
GI	none	Score	181
Exons	522..686, 522..686, 532..699, 547..696, 776..907, 778..906, 1295..1456, 1317..1457, 1317..1457, 1324..1458		
Seq. No.	15677	Seq. ID	OJ990917_09.9A29.C6
Gene No.	33163	Strand	-
Start	2746	End	2931
Name	OJ990917_09.9A29.C6.o1.tw	Method	TBLASTX:Wheat
Start	537	End	1423
GI	none	Score	167

Exons	537..686, 537..686, 547..687, 547..687, 776..907, 778..906, 781..909, 1317..1418, 1328..1411, 1328..1423		
Seq. No.	15677	Seq. ID	OJ990917_09.9A29.C6
Gene No.	33163	Strand	-
Start	2746	End	2931
Name	OJ990917_09.9A29.C6.o1.tc	Method	TBLASTX:Cress
Start	546	End	909
GI	none	Score	140
Exons	546..686, 547..687, 772..909, 778..906		
Seq. No.	15677	Seq. ID	OJ990917_09.9A29.C6
Gene No.	33163	Strand	-
Start	2746	End	2931
Name	OJ990917_09.9A29.C6.o1.ts	Method	TBLASTX:Soybean
Start	546	End	1489
GI	none	Score	151
Exons	546..686, 547..687, 599..691, 778..906, 784..900, 1310..1489, 1317..1457		
Seq. No.	15677	Seq. ID	OJ990917_09.9A29.C6
Gene No.	33163	Strand	-
Start	2746	End	2931
Name	OJ990917_09.9A29.C6.o2.tc	Method	TBLASTX:Cress
Start	1311	End	1489
GI	none	Score	158
Exons	1311..1457, 1312..1458, 1314..1457, 1321..1461, 1325..1489, 1325..1462		
Seq. No.	15677	Seq. ID	OJ990917_09.9A29.C6
Gene No.	33163	Strand	-
Start	2746	End	2931
Name	OJ990917_09.9A29.C6.o2.gp	Method	AAT/GAP
Start	2746	End	2931
GI	none	Score	368
Exons	2746..2931		
Seq. No.	15678	Seq. ID	OJ990917_09.9A29.C7
Gene No.	33164	Strand	-
Start	398	End	2222
Name	OJ990917_09.9A29.C7.o1.np	Method	AAT/NAP
Start	398	End	2222
GI	6815062	Score	2017
Exons	398..623, 680..707, 1006..1345, 1423..1522, 1604..1949, 1993..2222		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		
Seq. No.	15678	Seq. ID	OJ990917_09.9A29.C7
Gene No.	33164	Strand	-
Start	398	End	2222
Name	OJ990917_09.9A29.C7.o1.tm	Method	TBLASTX:Maize
Start	1262	End	2198
GI	none	Score	67
Exons	1262..1360, 1604..1900, 1992..2018, 2025..2192, 2025..2198		

Seq. No.	15678	Seq. ID	OJ990917_09.9A29.C7
Gene No.	33164	Strand	-
Start	398	End	2222
Name	OJ990917_09.9A29.C7.o2.gs	Method	GENSCAN
Start	1367	End	2189
GI	none	Score	.62
Exons	1367..1377, 1423..1522, 1604..1949, 1993..2189		

Seq. No.	15679	Seq. ID	OJ990917_09.9A29.C8
Gene No.	33165	Strand	-
Start	1	End	3566
Name	OJ990917_09.9A29.C8.o1.np	Method	AAT/NAP
Start	1	End	2073
GI	6815062	Score	1161
Exons	1..396, 491..761, 1930..2073		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	15679	Seq. ID	OJ990917_09.9A29.C8
Gene No.	33165	Strand	-
Start	1	End	3566
Name	OJ990917_09.9A29.C8.o1.tm	Method	TBLASTX:Maize
Start	2	End	557
GI	none	Score	208
Exons	2..307, 12..305, 306..365, 330..404, 335..403, 468..557		

Seq. No.	15679	Seq. ID	OJ990917_09.9A29.C8
Gene No.	33165	Strand	-
Start	1	End	3566
Name	OJ990917_09.9A29.C8.o1.gs	Method	GENSCAN
Start	112	End	3566
GI	none	Score	.82
Exons	112..396, 491..761, 793..2369, 2905..3015, 3094..3249, 3560..3566		

Seq. No.	15679	Seq. ID	OJ990917_09.9A29.C8
Gene No.	33165	Strand	-
Start	1	End	3566
Name	OJ990917_09.9A29.C8.o2.tm	Method	TBLASTX:Maize
Start	790	End	1039
GI	none	Score	86
Exons	790..861, 880..1035, 914..1039		

Seq. No.	15680	Seq. ID	OJ990917_09.9A29.C9
Gene No.	33166	Strand	+
Start	3311	End	4882
Name	OJ990917_09.9A29.C9.o1.gp	Method	AAT/GAP
Start	3246	End	3583
GI	LIB3477-003-P1-K1-F9	Score	656
Exons	3246..3583		
GI Descrip.	'100347/pir\|\|S25015 4.0e-24 monosaccharide transport protein MST1 - common tobacco >gi_19885_emb_CAA47324_ (X66856) monosaccharid transporter [Nicotiana tabacum]'		

Seq. No.	15680	Seq. ID	OJ990917_09.9A29.C9
Gene No.	33166	Strand	+

Start	3311	End	4882
Name	OJ990917_09.9A29.C9.o1.np	Method	AAT/NAP
Start	3311	End	4873
GI	1935021	Score	1555
Exons	3311..4873		
GI Descrip.	(Z93775) monosaccharid transport protein [Vicia faba]		

Seq. No.	15680	Seq. ID	OJ990917_09.9A29.C9
Gene No.	33166	Strand	+
Start	3311	End	4882
Name	OJ990917_09.9A29.C9.o2.gs	Method	GENSCAN
Start	3311	End	4882
GI	none	Score	.99
Exons	3311..4882		

Seq. No.	15680	Seq. ID	OJ990917_09.9A29.C9
Gene No.	33167	Strand	-
Start	6887	End	13912
Name	OJ990917_09.9A29.C9.o1.ts	Method	TBLASTX:Soybean
Start	3358	End	4825
GI	none	Score	217
Exons	3358..3507, 3359..3517, 3541..4011, 3542..3688, 3773..4069, 4079..4462, 4124..4327, 4186..4461, 4535..4654, 4537..4800, 4706..4825		

Seq. No.	15680	Seq. ID	OJ990917_09.9A29.C9
Gene No.	33167	Strand	-
Start	6887	End	13912
Name	OJ990917_09.9A29.C9.o4.tm	Method	TBLASTX:Maize
Start	3359	End	3729
GI	none	Score	216
Exons	3359..3508, 3364..3507, 3541..3729, 3542..3688		

Seq. No.	15680	Seq. ID	OJ990917_09.9A29.C9
Gene No.	33167	Strand	-
Start	6887	End	13912
Name	OJ990917_09.9A29.C9.o1.tc	Method	TBLASTX:Cress
Start	3362	End	4825
GI	none	Score	203
Exons	3362..3550, 3364..3513, 3541..4011, 3542..3688, 3773..4069, 4079..4465, 4103..4339, 4186..4464, 4534..4812, 4535..4654, 4706..4825		

Seq. No.	15680	Seq. ID	OJ990917_09.9A29.C9
Gene No.	33167	Strand	-
Start	6887	End	13912
Name	OJ990917_09.9A29.C9.o5.tm	Method	TBLASTX:Maize
Start	3773	End	3934
GI	none	Score	251
Exons	3773..3934, 3773..3898, 3775..3933		

Seq. No.	15680	Seq. ID	OJ990917_09.9A29.C9
Gene No.	33167	Strand	-
Start	6887	End	13912
Name	OJ990917_09.9A29.C9.o2.tw	Method	TBLASTX:Wheat
Start	3805	End	4450
GI	none	Score	58

Exons	3805..3891, 4139..4324, 4145..4450, 4183..4440		
Seq. No.	15680	Seq. ID	OJ990917_09.9A29.C9
Gene No.	33167	Strand	-
Start	6887	End	13912
Name	OJ990917_09.9A29.C9.o1.tm	Method	TBLASTX:Maize
Start	4130	End	4825
GI	none	Score	363
Exons	4130..4462, 4130..4387, 4189..4461, 4535..4825, 4537..4812, 4754..4825		
Seq. No.	15680	Seq. ID	OJ990917_09.9A29.C9
Gene No.	33167	Strand	-
Start	6887	End	13912
Name	OJ990917_09.9A29.C9.o1.tw	Method	TBLASTX:Wheat
Start	4534	End	4822
GI	none	Score	290
Exons	4534..4815, 4535..4816, 4754..4822		
Seq. No.	15680	Seq. ID	OJ990917_09.9A29.C9
Gene No.	33167	Strand	-
Start	6887	End	13912
Name	OJ990917_09.9A29.C9.o2.gp	Method	AAT/GAP
Start	6564	End	7416
GI	22470_1.R1084	Score	1164
Exons	6564..6963, 7047..7176, 7348..7416		
GI Descrip.	'1778147 1.0e-46 (U66403) phosphate/phosphoenolpyruvate translocator precursor [Zea mays]'		
Seq. No.	15680	Seq. ID	OJ990917_09.9A29.C9
Gene No.	33167	Strand	-
Start	6887	End	13912
Name	OJ990917_09.9A29.C9.o2.tm	Method	TBLASTX:Maize
Start	6770	End	7399
GI	none	Score	320
Exons	6770..6970, 6770..6964, 7031..7177, 7043..7171, 7045..7203, 7334..7399, 7346..7396		
Seq. No.	15680	Seq. ID	OJ990917_09.9A29.C9
Gene No.	33167	Strand	-
Start	6887	End	13912
Name	OJ990917_09.9A29.C9.o2.tc	Method	TBLASTX:Cress
Start	6869	End	9609
GI	none	Score	86
Exons	6869..6964, 6891..6965, 7043..7177, 7045..7179, 7045..7200, 7331..7417, 7333..7449, 7502..7633, 7503..7622, 7909..8004, 7911..7994, 7922..7999, 8099..8245, 8113..8241, 8314..8466, 8317..8454, 8318..8473, 8351..8473, 8548..8688, 8567..8689, 9526..9609		
Seq. No.	15680	Seq. ID	OJ990917_09.9A29.C9
Gene No.	33167	Strand	-
Start	6887	End	13912
Name	OJ990917_09.9A29.C9.o3.ts	Method	TBLASTX:Soybean
Start	6878	End	7615
GI	none	Score	73
Exons	6878..6964, 6885..6965, 6962..6988, 7043..7177, 7045..7179,		

7045..7200, 7333..7449, 7502..7615, 7503..7613

Seq. No.	15680	Seq. ID	OJ990917_09.9A29.C9
Gene No.	33167	Strand	-
Start	6887	End	13912
Name	OJ990917_09.9A29.C9.o3.gs	Method	GENSCAN
Start	6887	End	13861
GI	none	Score	.5
Exons	6887..6963, 7047..7176, 7911..7995, 8120..8205, 8317..8469, 8563..8685, 9529..9843, 10084..10434, 11241..11347, 11626..11747, 13398..13583, 13674..13861		

Seq. No.	15680	Seq. ID	OJ990917_09.9A29.C9
Gene No.	33167	Strand	-
Start	6887	End	13912
Name	OJ990917_09.9A29.C9.o2.np	Method	AAT/NAP
Start	6890	End	9912
GI	1778149	Score	1355
Exons	6890..6963, 7047..7176, 7348..7416, 7502..7621, 7911..7995, 8120..8205, 8317..8469, 8563..8685, 9529..9732, 9763..9912		
GI Descrip.	(U66404) phosphate/phosphoenolpyruvate translocator precursor [Zea mays]		

Seq. No.	15680	Seq. ID	OJ990917_09.9A29.C9
Gene No.	33167	Strand	-
Start	6887	End	13912
Name	OJ990917_09.9A29.C9.o3.tm	Method	TBLASTX:Maize
Start	7501	End	9609
GI	none	Score	73
Exons	7501..7623, 7502..7564, 7502..7633, 7503..7622, 7573..7623, 7909..7995, 7911..7994, 7922..8002, 8099..8245, 8113..8241, 8314..8454, 8315..8524, 8548..8688, 8549..8689, 9517..9609		

Seq. No.	15680	Seq. ID	OJ990917_09.9A29.C9
Gene No.	33167	Strand	-
Start	6887	End	13912
Name	OJ990917_09.9A29.C9.o3.gp	Method	AAT/GAP
Start	7882	End	9616
GI	69303_1.R1084	Score	914
Exons	7882..7995, 8120..8205, 8317..8469, 8563..8685, 9529..9616		
GI Descrip.	'1778149 5.0e-80 (U66404) phosphate/phosphoenolpyruvate translocator precursor [Zea mays]'		

Seq. No.	15680	Seq. ID	OJ990917_09.9A29.C9
Gene No.	33167	Strand	-
Start	6887	End	13912
Name	OJ990917_09.9A29.C9.o2.ts	Method	TBLASTX:Soybean
Start	7905	End	8473
GI	none	Score	72
Exons	7905..7991, 7906..7992, 8099..8245, 8113..8241, 8314..8454, 8318..8470, 8327..8473		

Seq. No.	15680	Seq. ID	OJ990917_09.9A29.C9
Gene No.	33167	Strand	-
Start	6887	End	13912
Name	OJ990917_09.9A29.C9.o4.gp	Method	AAT/GAP
Start	9627	End	9963

GI	none	Score	670
Exons	9627..9963		

Seq. No.	15680	Seq. ID	OJ990917_09.9A29.C9
Gene No.	33167	Strand	-
Start	6887	End	13912
Name	OJ990917_09.9A29.C9.o5.gp	Method	AAT/GAP
Start	13430	End	13888
GI	none	Score	910
Exons	13430..13888		

Seq. No.	15680	Seq. ID	OJ990917_09.9A29.C9
Gene No.	33167	Strand	-
Start	6887	End	13912
Name	OJ990917_09.9A29.C9.o3.np	Method	AAT/NAP
Start	13597	End	13912
GI	2318003	Score	88
Exons	13597..13912		
GI Descrip.	(U97553) unknown [murine herpesvirus 68]		

Seq. No.	15681	Seq. ID	OJ990917_09.9A29.C10
Gene No.	33168	Strand	+
Start	780	End	883
Name	OJ990917_09.9A29.C10.o1.gp	Method	AAT/GAP
Start	780	End	883
GI	LIB3477-003-P1-K1-E9	Score	144
Exons	780..883		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	15681	Seq. ID	OJ990917_09.9A29.C10
Gene No.	33169	Strand	+
Start	5007	End	9048
Name	OJ990917_09.9A29.C10.o3.gs	Method	GENSCAN
Start	5007	End	9048
GI	none	Score	.42
Exons	5007..5171, 5245..5351, 6894..6993, 7076..7169, 8198..8412, 8983..9048		

Seq. No.	15681	Seq. ID	OJ990917_09.9A29.C10
Gene No.	33170	Strand	-
Start	1788	End	2478
Name	OJ990917_09.9A29.C10.o1.gs	Method	GENSCAN
Start	1788	End	2385
GI	none	Score	.99
Exons	1788..2230, 2304..2385		

Seq. No.	15681	Seq. ID	OJ990917_09.9A29.C10
Gene No.	33170	Strand	-
Start	1788	End	2478
Name	OJ990917_09.9A29.C10.o1.np	Method	AAT/NAP
Start	1794	End	2391
GI	3868853	Score	319
Exons	1794..2199, 2273..2391		
GI Descrip.	(AB013853) GPI-anchored protein [Vigna radiata]		

Seq. No.	15681	Seq. ID	OJ990917_09.9A29.C10
Gene No.	33170	Strand	-
Start	1788	End	2478
Name	OJ990917_09.9A29.C10.o2.gp	Method	AAT/GAP
Start	1934	End	2478
GI	uC-osflcyp144h08b1	Score	881
Exons	1934..2230, 2304..2478		
GI Descrip.	'3868853/dbj\|BAA34247\| 1.0e-20 (AB013853) GPI-anchored protein [Vigna radiata]'		

Seq. No.	15681	Seq. ID	OJ990917_09.9A29.C10
Gene No.	33171	Strand	-
Start	3418	End	4035
Name	OJ990917_09.9A29.C10.o1.ts	Method	TBLASTX:Soybean
Start	1881	End	2187
GI	none	Score	232
Exons	1881..2180, 1903..2187		

Seq. No.	15681	Seq. ID	OJ990917_09.9A29.C10
Gene No.	33171	Strand	-
Start	3418	End	4035
Name	OJ990917_09.9A29.C10.o1.tc	Method	TBLASTX:Cress
Start	1912	End	2181
GI	none	Score	263
Exons	1912..2181, 1914..2180		

Seq. No.	15681	Seq. ID	OJ990917_09.9A29.C10
Gene No.	33171	Strand	-
Start	3418	End	4035
Name	OJ990917_09.9A29.C10.o1.tm	Method	TBLASTX:Maize
Start	1936	End	2187
GI	none	Score	259
Exons	1936..2130, 1951..2187, 1956..2180		

Seq. No.	15681	Seq. ID	OJ990917_09.9A29.C10
Gene No.	33171	Strand	-
Start	3418	End	4035
Name	OJ990917_09.9A29.C10.o1.tw	Method	TBLASTX:Wheat
Start	1989	End	2184
GI	none	Score	193
Exons	1989..2180, 1990..2184		

Seq. No.	15681	Seq. ID	OJ990917_09.9A29.C10
Gene No.	33171	Strand	-
Start	3418	End	4035
Name	OJ990917_09.9A29.C10.o2.gs	Method	GENSCAN
Start	3418	End	4035
GI	none	Score	1
Exons	3418..4035		

Seq. No.	15682	Seq. ID	OJ990917_09.9A29.C11
Gene No.	33172	Strand	+
Start	272	End	583
Name	OJ990917_09.9A29.C11.o1.np	Method	AAT/NAP
Start	272	End	583
GI	3790102	Score	161
Exons	272..361, 524..583		

GI Descrip.	(AF095521) pyrophosphate-dependent phosphofructokinase alpha subunit [Citrus X paradisi]		
Seq. No.	15682	Seq. ID	OJ990917_09.9A29.C11
Gene No.	33173	Strand	-
Start	18	End	403
Name	OJ990917_09.9A29.C11.o1.gs	Method	GENSCAN
Start	18	End	403
GI	none	Score	.56
Exons	18..162, 307..403		
Seq. No.	15683	Seq. ID	OJ990917_09.9A29.C12
Gene No.	33174	Strand	+
Start	1	End	653
Name	OJ990917_09.9A29.C12.o1.np	Method	AAT/NAP
Start	1	End	653
GI	6907089	Score	152
Exons	1..463, 541..653		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	15683	Seq. ID	OJ990917_09.9A29.C12
Gene No.	33174	Strand	+
Start	1	End	653
Name	OJ990917_09.9A29.C12.o1.gs	Method	GENSCAN
Start	151	End	546
GI	none	Score	.42
Exons	151..546		
Seq. No.	15684	Seq. ID	OJ990917_09.9A29.C13
Gene No.	33175	Strand	+
Start	897	End	6989
Name	OJ990917_09.9A29.C13.o1.gs	Method	GENSCAN
Start	897	End	5458
GI	none	Score	.94
Exons	897..1032, 1495..1640, 2788..2880, 4100..5458		
Seq. No.	15684	Seq. ID	OJ990917_09.9A29.C13
Gene No.	33175	Strand	+
Start	897	End	6989
Name	OJ990917_09.9A29.C13.o1.np	Method	AAT/NAP
Start	4100	End	6989
GI	3928084	Score	230
Exons	4100..4967, 6924..6989		
GI Descrip.	(AC005770) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	15684	Seq. ID	OJ990917_09.9A29.C13
Gene No.	33176	Strand	-
Start	6214	End	7761
Name	OJ990917_09.9A29.C13.o3.tm	Method	TBLASTX:Maize
Start	967	End	4306
GI	none	Score	86
Exons	967..1062, 2818..2880, 2825..2887, 2825..2878, 4086..4178, 4099..4134, 4138..4269, 4139..4270, 4265..4306, 4271..4306		
Seq. No.	15684	Seq. ID	OJ990917_09.9A29.C13
Gene No.	33176	Strand	-

Start	6214	End	7761
Name	OJ990917_09.9A29.C13.o1.tm	Method	TBLASTX:Maize
Start	4633	End	5140
GI	none	Score	411
Exons	4633..4980, 4636..4986, 4646..4987, 4954..5124, 4985..5140, 4991..5140		

Seq. No.	15684	Seq. ID	OJ990917_09.9A29.C13
Gene No.	33176	Strand	-
Start	6214	End	7761
Name	OJ990917_09.9A29.C13.o2.tm	Method	TBLASTX:Maize
Start	5141	End	5687
GI	none	Score	105
Exons	5141..5377, 5148..5324, 5192..5344, 5345..5380, 5348..5380, 5360..5467, 5369..5467, 5400..5492, 5548..5598, 5658..5687		

Seq. No.	15684	Seq. ID	OJ990917_09.9A29.C13
Gene No.	33176	Strand	-
Start	6214	End	7761
Name	OJ990917_09.9A29.C13.o1.tw	Method	TBLASTX:Wheat
Start	5345	End	5646
GI	none	Score	167
Exons	5345..5458, 5348..5458, 5394..5495, 5400..5504, 5503..5553, 5505..5549, 5613..5645, 5619..5645, 5620..5646		

Seq. No.	15684	Seq. ID	OJ990917_09.9A29.C13
Gene No.	33176	Strand	-
Start	6214	End	7761
Name	OJ990917_09.9A29.C13.o1.gp	Method	AAT/GAP
Start	6214	End	7056
GI	uC-osflcyp066d12a1	Score	944
Exons	6214..6497, 6751..6883, 6976..7056		
GI Descrip.	'5701965/emb\|CAB52157.1\| 2.0e-09 (AL109736) WD repeat protein [Schizosaccharomyces pombe]'		

Seq. No.	15684	Seq. ID	OJ990917_09.9A29.C13
Gene No.	33176	Strand	-
Start	6214	End	7761
Name	OJ990917_09.9A29.C13.o1.tc	Method	TBLASTX:Cress
Start	6461	End	7051
GI	none	Score	62
Exons	6461..6502, 6770..6895, 6771..6896, 6985..7050, 6992..7051		

Seq. No.	15684	Seq. ID	OJ990917_09.9A29.C13
Gene No.	33176	Strand	-
Start	6214	End	7761
Name	OJ990917_09.9A29.C13.o2.gs	Method	GENSCAN
Start	6463	End	7425
GI	none	Score	.89
Exons	6463..6497, 6751..6883, 6976..7054, 7373..7425		

Seq. No.	15684	Seq. ID	OJ990917_09.9A29.C13
Gene No.	33176	Strand	-
Start	6214	End	7761
Name	OJ990917_09.9A29.C13.o3.np	Method	AAT/NAP
Start	6743	End	7761
GI	5701965	Score	143

Exons	6743..6883, 6976..7050, 7282..7381, 7736..7761		
GI Descrip.	(AL109736) WD repeat protein [Schizosaccharomyces pombe]		
Seq. No.	15685	Seq. ID	OJ990917_09.9A29.C14
Gene No.	33177	Strand	-
Start	446	End	1341
Name	OJ990917_09.9A29.C14.o1.gp	Method	AAT/GAP
Start	432	End	515
GI	uC-osflcyp034g01b1	Score	116
Exons	432..515		
GI Descrip.	'5701965/emb\|CAB52157.1\| 1.0e-18 (AL109736) WD repeat protein [Schizosaccharomyces pombe]'		
Seq. No.	15685	Seq. ID	OJ990917_09.9A29.C14
Gene No.	33177	Strand	-
Start	446	End	1341
Name	OJ990917_09.9A29.C14.o1.gs	Method	GENSCAN
Start	446	End	1341
GI	none	Score	.73
Exons	446..561, 649..706, 1103..1220, 1325..1341		
Seq. No.	15686	Seq. ID	OJ990917_09.9A29.C15
Gene No.	33178	Strand	+
Start	8974	End	10346
Name	OJ990917_09.9A29.C15.o2.gs	Method	GENSCAN
Start	8974	End	10346
GI	none	Score	.62
Exons	8974..9104, 9511..9608, 9744..9790, 9843..10019, 10227..10346		
Seq. No.	15686	Seq. ID	OJ990917_09.9A29.C15
Gene No.	33179	Strand	-
Start	248	End	7950
Name	OJ990917_09.9A29.C15.o1.gs	Method	GENSCAN
Start	248	End	7950
GI	none	Score	.46
Exons	248..377, 1647..1769, 2704..2780, 3089..3232, 3360..3434, 4894..5126, 5303..5624, 6297..7054, 7755..7884, 7890..7950		
Seq. No.	15686	Seq. ID	OJ990917_09.9A29.C15
Gene No.	33179	Strand	-
Start	248	End	7950
Name	OJ990917_09.9A29.C15.o1.np	Method	AAT/NAP
Start	248	End	3046
GI	112947	Score	101
Exons	248..382, 852..993, 1647..1671, 3016..3046		
GI Descrip.	AAC-RICH MRNA CLONE AAC3 PROTEIN gi\|84121\|pir\|\|S05357 hypothetical protein (clone AAC3) - slime mold (Dictyostelium discoideum) (fragment) gi\|7176\|emb\|CAA34531\| (X16524) coding region (AA 1 - 437) [Dictyostelium discoideum]		
Seq. No.	15686	Seq. ID	OJ990917_09.9A29.C15
Gene No.	33179	Strand	-
Start	248	End	7950
Name	OJ990917_09.9A29.C15.o1.gp	Method	AAT/GAP
Start	2644	End	2925
GI	31877_1.R1084	Score	213
Exons	2644..2721, 2856..2925		

GI Descrip.	'4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		
Seq. No.	15686	Seq. ID	OJ990917_09.9A29.C15
Gene No.	33180	Strand	-
Start	8826	End	10611
Name	OJ990917_09.9A29.C15.o2.np	Method	AAT/NAP
Start	8826	End	10611
GI	3434971	Score	231
Exons	8826..8879, 9770..10293, 10551..10611		
GI Descrip.	(AB008105) ethylene responsive element binding factor 3 [Arabidopsis thaliana]		
Seq. No.	15686	Seq. ID	OJ990917_09.9A29.C15
Gene No.	33181	Strand	-
Start	14527	End	15898
Name	OJ990917_09.9A29.C15.o1.tm	Method	TBLASTX:Maize
Start	246	End	1710
GI	none	Score	168
Exons	246..374, 246..377, 247..378, 307..384, 889..993, 899..994, 1644..1709, 1645..1710		
Seq. No.	15686	Seq. ID	OJ990917_09.9A29.C15
Gene No.	33181	Strand	-
Start	14527	End	15898
Name	OJ990917_09.9A29.C15.o2.tc	Method	TBLASTX:Cress
Start	246	End	994
GI	none	Score	118
Exons	246..377, 247..375, 898..993, 902..994		
Seq. No.	15686	Seq. ID	OJ990917_09.9A29.C15
Gene No.	33181	Strand	-
Start	14527	End	15898
Name	OJ990917_09.9A29.C15.o2.ts	Method	TBLASTX:Soybean
Start	255	End	1688
GI	none	Score	110
Exons	255..380, 255..374, 256..381, 898..993, 902..994, 1644..1688		
Seq. No.	15686	Seq. ID	OJ990917_09.9A29.C15
Gene No.	33181	Strand	-
Start	14527	End	15898
Name	OJ990917_09.9A29.C15.o1.tc	Method	TBLASTX:Cress
Start	9773	End	10280
GI	none	Score	67
Exons	9773..9901, 9777..9890, 9950..9991, 10083..10112, 10169..10276, 10200..10280		
Seq. No.	15686	Seq. ID	OJ990917_09.9A29.C15
Gene No.	33181	Strand	-
Start	14527	End	15898
Name	OJ990917_09.9A29.C15.o1.ts	Method	TBLASTX:Soybean
Start	9779	End	10286
GI	none	Score	45
Exons	9779..9895, 9950..9991, 10089..10112, 10091..10108, 10169..10279, 10194..10286, 10197..10280		
Seq. No.	15686	Seq. ID	OJ990917_09.9A29.C15

Gene No.	33181	Strand	-
Start	14527	End	15898
Name	OJ990917_09.9A29.C15.o3.np	Method	AAT/NAP
Start	14527	End	15898
GI	6907086	Score	325
Exons	14527..14609, 14723..15051, 15124..15373, 15434..15898		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	15687	Seq. ID	OJ990917_09.9A29.C16
Gene No.	33182	Strand	+
Start	482	End	589
Name	OJ990917_09.9A29.C16.o1.gs	Method	GENSCAN
Start	482	End	589
GI	none	Score	.56
Exons	482..589		

Seq. No.	15687	Seq. ID	OJ990917_09.9A29.C16
Gene No.	33183	Strand	+
Start	1343	End	10944
Name	OJ990917_09.9A29.C16.o2.gs	Method	GENSCAN
Start	1343	End	10563
GI	none	Score	.83
Exons	1343..1364, 2059..2086, 2689..2856, 4330..4612, 4706..4889, 7410..7655, 7892..7977, 8278..8574, 9058..9327, 9418..9597, 9777..9880, 9981..10092, 10272..10370, 10444..10563		

Seq. No.	15687	Seq. ID	OJ990917_09.9A29.C16
Gene No.	33183	Strand	+
Start	1343	End	10944
Name	OJ990917_09.9A29.C16.o2.np	Method	AAT/NAP
Start	4330	End	7276
GI	6815107	Score	432
Exons	4330..5158, 7218..7276		
GI Descrip.	(AP001081) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10;hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	15687	Seq. ID	OJ990917_09.9A29.C16
Gene No.	33183	Strand	+
Start	1343	End	10944
Name	OJ990917_09.9A29.C16.o3.np	Method	AAT/NAP
Start	7405	End	10944
GI	1707940	Score	1744
Exons	7405..7655, 8278..8574, 9058..9327, 9418..9597, 9777..9880, 9981..10092, 10272..10370, 10444..10574, 10899..10944		
GI Descrip.	GLUCOSE-1-PHOSPHATE ADENYLYLTRANSFERASE SMALL SUBUNIT PRECURSOR (ADP-GLUCOSE SYNTHASE) (ADP-GLUCOSE PYROPHOSPHORYLASE) (AGPASE B) (ALPHA-D-GLUCOSE-1-PHOSPHATE ADENYL TRANSFERASE) gi\|2130036\|pir\|\|S61479 glucose-1-phosphate adenylyltransferase (EC 2.7.7.27) small chain B - barley gi\|1143502\|emb\|CAA88450\| (Z48563) ADP-glucose pyrophosphorylase small subunit [Hordeum v		

Seq. No.	15687	Seq. ID	OJ990917_09.9A29.C16
Gene No.	33183	Strand	+
Start	1343	End	10944
Name	OJ990917_09.9A29.C16.o1.gp	Method	AAT/GAP
Start	8349	End	8499
GI	LIB3477-006-P1-K1-A5	Score	281

Exons	8349..8499		
GI Descrip.	'5917789/gb\|AAD56041.1\|AF184597_1 9.0e-19 (AF184597) ADP-glucose pyrophosphorylase small subunit [Citrus unshiu]'		
Seq. No.	15687	Seq. ID	OJ990917_09.9A29.C16
Gene No.	33183	Strand	+
Start	1343	End	10944
Name	OJ990917_09.9A29.C16.o2.gp	Method	AAT/GAP
Start	9171	End	10563
GI	5480_1.R1084	Score	1383
Exons	9171..9327, 9418..9597, 9777..9880, 9981..10092, 10272..10370, 10444..10563		
GI Descrip.	'232172/sp\|P30523\|GLGS_WHEAT 1.0e-147 GLUCOSE-1-PHOSPHATE ADENYLYLTRANSFERASE SMALL SUBUNIT PRECURSOR (ADP-GLUCOSE SYNTHASE) (ADP-GLUCOSE PYROPHOSPHORYLASE) (AGPASE B) (ALPHA-D-GLUCOSE-1-PHOSPHATE ADENYL TRANSFERASE) >gi_481816_pir__S39504 glucose-1-phosphate adenylyltransferase (EC 2.7.7.27) - wheat >gi_21687_emb_CAA46879_ (X66080) ADP-glucose pyrophosphorylase [Triticum aestivum]'		
Seq. No.	15687	Seq. ID	OJ990917_09.9A29.C16
Gene No.	33184	Strand	-
Start	1185	End	2064
Name	OJ990917_09.9A29.C16.o1.np	Method	AAT/NAP
Start	1185	End	2064
GI	4680186	Score	185
Exons	1185..1311, 1912..2064		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	15687	Seq. ID	OJ990917_09.9A29.C16
Gene No.	33185	Strand	
Start	4339	End	4708
Name	OJ990917_09.9A29.C16.o2.tm	Method	TBLASTX:Maize
Start	4339	End	4708
GI	none	Score	171
Exons	4339..4521, 4340..4531, 4340..4531, 4543..4656, 4544..4708		
Seq. No.	15687	Seq. ID	OJ990917_09.9A29.C16
Gene No.	33186	Strand	
Start	7580	End	10579
Name	OJ990917_09.9A29.C16.o1.ts	Method	TBLASTX:Soybean
Start	7580	End	9247
GI	none	Score	100
Exons	7580..7678, 7581..7652, 8278..8574, 8278..8574, 8378..8575, 9050..9235, 9051..9245, 9055..9246, 9056..9247, 9057..9245		
Seq. No.	15687	Seq. ID	OJ990917_09.9A29.C16
Gene No.	33186	Strand	
Start	7580	End	10579
Name	OJ990917_09.9A29.C16.o1.tc	Method	TBLASTX:Cress
Start	7581	End	10572
GI	none	Score	98
Exons	7581..7655, 8277..8483, 8278..8574, 8278..8574, 8366..8575, 9050..9232, 9051..9329, 9055..9330, 9055..9312, 9057..9329, 9399..9599, 9400..9603, 9415..9600, 9416..9670, 9776..9880, 9777..9878, 9978..10091, 9979..10092, 10259..10324, 10269..10370, 10272..10394, 10435..10572, 10443..10562		

Seq. No.	15687	Seq. ID	OJ990917_09.9A29.C16
Gene No.	33186	Strand	
Start	7580	End	10579
Name	OJ990917_09.9A29.C16.o1.tm	Method	TBLASTX:Maize
Start	8320	End	10023
GI	none	Score	40
Exons	8320..8349, 8322..8348, 8374..8574, 8374..8574, 8375..8581, 8375..8590, 9032..9235, 9048..9338, 9051..9326, 9055..9348, 9370..9600, 9412..9603, 9431..9661, 9776..9880, 9777..9878, 9778..9897, 9978..10022, 9979..10023		

Seq. No.	15687	Seq. ID	OJ990917_09.9A29.C16
Gene No.	33186	Strand	
Start	7580	End	10579
Name	OJ990917_09.9A29.C16.o1.tw	Method	TBLASTX:Wheat
Start	9141	End	9603
GI	none	Score	189
Exons	9141..9329, 9141..9329, 9151..9330, 9399..9599, 9412..9603, 9418..9600		

Seq. No.	15687	Seq. ID	OJ990917_09.9A29.C16
Gene No.	33186	Strand	
Start	7580	End	10579
Name	OJ990917_09.9A29.C16.o2.ts	Method	TBLASTX:Soybean
Start	9264	End	10572
GI	none	Score	93
Exons	9264..9329, 9265..9330, 9412..9603, 9413..9598, 9417..9599, 9776..9880, 9777..9878, 9975..10085, 9978..10091, 9979..10092, 10269..10370, 10272..10394, 10435..10572, 10442..10561, 10443..10562		

Seq. No.	15687	Seq. ID	OJ990917_09.9A29.C16
Gene No.	33186	Strand	
Start	7580	End	10579
Name	OJ990917_09.9A29.C16.o3.tm	Method	TBLASTX:Maize
Start	10302	End	10579
GI	none	Score	126
Exons	10302..10394, 10302..10382, 10303..10398, 10413..10559, 10435..10572, 10443..10559, 10478..10579		

Seq. No.	15688	Seq. ID	OJ990917_09.9A29.C18
Gene No.	33187	Strand	-
Start	6685	End	10848
Name	OJ990917_09.9A29.C18.o1.gp	Method	AAT/GAP
Start	6685	End	8096
GI	none	Score	862
Exons	6685..6953, 7921..8096		

Seq. No.	15688	Seq. ID	OJ990917_09.9A29.C18
Gene No.	33187	Strand	-
Start	6685	End	10848
Name	OJ990917_09.9A29.C18.o2.tm	Method	TBLASTX:Maize
Start	7915	End	8442
GI	none	Score	148
Exons	7915..8052, 7917..8024, 7918..8031, 7919..8122, 8033..8242, 8034..8240, 8035..8241, 8046..8324, 8250..8417, 8325..8399,		

8327..8401, 8397..8441, 8397..8441, 8398..8442

Seq. No.	15688	Seq. ID	OJ990917_09.9A29.C18
Gene No.	33187	Strand	-
Start	6685	End	10848
Name	OJ990917_09.9A29.C18.o2.np	Method	AAT/NAP
Start	7943	End	10848
GI	5823575	Score	653
Exons	7943..8035, 8303..8841, 9052..9371, 9846..10409, 10448..10848		
GI Descrip.	(AL049730) putative protein [Arabidopsis thaliana]		

Seq. No.	15688	Seq. ID	OJ990917_09.9A29.C18
Gene No.	33187	Strand	-
Start	6685	End	10848
Name	OJ990917_09.9A29.C18.o2.gp	Method	AAT/GAP
Start	8771	End	9238
GI	uC-osflcyp046d11b1	Score	868
Exons	8771..9238		
GI Descrip.	'5823575/emb\|CAB53757.1\| 5.0e-10 (AL049730) putative protein [Arabidopsis thaliana]'		

Seq. No.	15688	Seq. ID	OJ990917_09.9A29.C18
Gene No.	33187	Strand	-
Start	6685	End	10848
Name	OJ990917_09.9A29.C18.o1.tm	Method	TBLASTX:Maize
Start	8969	End	9933
GI	none	Score	419
Exons	8969..9091, 9048..9371, 9050..9385, 9050..9370, 9838..9930, 9845..9931, 9846..9929, 9847..9933		

Seq. No.	15688	Seq. ID	OJ990917_09.9A29.C18
Gene No.	33187	Strand	-
Start	6685	End	10848
Name	OJ990917_09.9A29.C18.o1.tc	Method	TBLASTX:Cress
Start	9089	End	9922
GI	none	Score	273
Exons	9089..9370, 9090..9371, 9100..9372, 9845..9922, 9861..9920		

Seq. No.	15688	Seq. ID	OJ990917_09.9A29.C18
Gene No.	33187	Strand	-
Start	6685	End	10848
Name	OJ990917_09.9A29.C18.o1.ts	Method	TBLASTX:Soybean
Start	9143	End	9938
GI	none	Score	244
Exons	9143..9370, 9147..9371, 9151..9381, 9845..9937, 9858..9938		

Seq. No.	15688	Seq. ID	OJ990917_09.9A29.C18
Gene No.	33187	Strand	-
Start	6685	End	10848
Name	OJ990917_09.9A29.C18.o3.gp	Method	AAT/GAP
Start	10160	End	10485
GI	2312064	Score	623
Exons	10160..10485		

Seq. No.	15688	Seq. ID	OJ990917_09.9A29.C18
Gene No.	33187	Strand	-
Start	6685	End	10848

Name	OJ990917_09.9A29.C18.o3.tm	Method	TBLASTX:Maize
Start	10562	End	10847
GI	none	Score	69
Exons	10562..10636, 10562..10636, 10635..10847, 10637..10846		

Seq. No.	15689	Seq. ID	OJ990917_09.9A29.C20
Gene No.	33188	Strand	-
Start	912	End	1488
Name	OJ990917_09.9A29.C20.o1.tm	Method	TBLASTX:Maize
Start	910	End	1118
GI	none	Score	89
Exons	910..969, 914..970, 915..968, 1038..1118, 1041..1118		

Seq. No.	15689	Seq. ID	OJ990917_09.9A29.C20
Gene No.	33188	Strand	-
Start	912	End	1488
Name	OJ990917_09.9A29.C20.o1.gp	Method	AAT/GAP
Start	912	End	1117
GI	13862_1.R1084	Score	202
Exons	912..967, 1041..1117		
GI Descrip.	'4835766/gb\|AAD30233.1\|AC007202_15 1.0e-40 (AC007202) Contains similarity to gb_AB017693 transfactor (WERBP-1) from Nicotiana tabacum. ESTs gb_H39299, gb_T41875, gb_H38232 and gb_N38325 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	15689	Seq. ID	OJ990917_09.9A29.C20
Gene No.	33188	Strand	-
Start	912	End	1488
Name	OJ990917_09.9A29.C20.o1.gs	Method	GENSCAN
Start	913	End	1488
GI	none	Score	.8
Exons	913..967, 1041..1117, 1377..1488		

Seq. No.	15690	Seq. ID	OJ990917_09.9A29.C21
Gene No.	33189	Strand	+
Start	1437	End	1919
Name	OJ990917_09.9A29.C21.o1.gs	Method	GENSCAN
Start	1437	End	1919
GI	none	Score	.77
Exons	1437..1919		

Seq. No.	15690	Seq. ID	OJ990917_09.9A29.C21
Gene No.	33190	Strand	-
Start	1647	End	2070
Name	OJ990917_09.9A29.C21.o1.gp	Method	AAT/GAP
Start	1647	End	2070
GI	13862_1.R1084	Score	825
Exons	1647..2070		
GI Descrip.	'4835766/gb\|AAD30233.1\|AC007202_15 1.0e-40 (AC007202) Contains similarity to gb_AB017693 transfactor (WERBP-1) from Nicotiana tabacum. ESTs gb_H39299, gb_T41875, gb_H38232 and gb_N38325 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	15690	Seq. ID	OJ990917_09.9A29.C21
Gene No.	33190	Strand	-
Start	1647	End	2070
Name	OJ990917_09.9A29.C21.o1.np	Method	AAT/NAP

Start	1647	End	1874
GI	4835766	Score	104
Exons	1647..1755, 1809..1874		
GI Descrip.	(AC007202) Contains similarity to gb\|AB017693 transfactor (WERBP-1) from Nicotiana tabacum. ESTs gb\|H39299, gb\|T41875, gb\|H38232 and gb\|N38325 come from this gene. [Arabidopsis thaliana]		

Seq. No.	15690	Seq. ID	OJ990917_09.9A29.C21
Gene No.	33190	Strand	-
Start	1647	End	2070
Name	OJ990917_09.9A29.C21.o1.tm	Method	TBLASTX:Maize
Start	1655	End	1842
GI	none	Score	129
Exons	1655..1747, 1657..1749, 1783..1842, 1793..1828		

Seq. No.	15691	Seq. ID	OJ990917_09.9A29.C22
Gene No.	33191	Strand	+
Start	823	End	1853
Name	OJ990917_09.9A29.C22.o1.gs	Method	GENSCAN
Start	823	End	1853
GI	none	Score	.57
Exons	823..1020, 1088..1201, 1637..1853		

Seq. No.	15692	Seq. ID	OJ990917_09.9A29.C23
Gene No.	33192	Strand	+
Start	1	End	4464
Name	OJ990917_09.9A29.C23.o2.np	Method	AAT/NAP
Start	1	End	4464
GI	5295955	Score	625
Exons	1..21, 1891..1978, 2521..2635, 3255..3282, 3331..3640, 3777..4464		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	15692	Seq. ID	OJ990917_09.9A29.C23
Gene No.	33192	Strand	+
Start	1	End	4464
Name	OJ990917_09.9A29.C23.o1.gs	Method	GENSCAN
Start	357	End	593
GI	none	Score	.58
Exons	357..593		

Seq. No.	15692	Seq. ID	OJ990917_09.9A29.C23
Gene No.	33193	Strand	+
Start	7058	End	7835
Name	OJ990917_09.9A29.C23.o4.gs	Method	GENSCAN
Start	7058	End	7835
GI	none	Score	.52
Exons	7058..7089, 7265..7350, 7753..7835		

Seq. No.	15692	Seq. ID	OJ990917_09.9A29.C23
Gene No.	33194	Strand	-
Start	1	End	4340
Name	OJ990917_09.9A29.C23.o1.np	Method	AAT/NAP
Start	1	End	1732
GI	5080776	Score	92

Exons	1..37, 1457..1732		
GI Descrip.	(AC007576) Similar to protein kinases [Arabidopsis thaliana]		
Seq. No.	15692	Seq. ID	OJ990917_09.9A29.C23
Gene No.	33194	Strand	-
Start	1	End	4340
Name	OJ990917_09.9A29.C23.o2.gs	Method	GENSCAN
Start	1477	End	4340
GI	none	Score	.67
Exons	1477..1754, 2884..3039, 3256..3403, 3642..3722, 3815..3927, 4331..4340		
Seq. No.	15692	Seq. ID	OJ990917_09.9A29.C23
Gene No.	33195	Strand	-
Start	4721	End	5438
Name	OJ990917_09.9A29.C23.o1.tm	Method	TBLASTX:Maize
Start	1457	End	1699
GI	none	Score	60
Exons	1457..1516, 1457..1516, 1501..1653, 1505..1699, 1513..1620		
Seq. No.	15692	Seq. ID	OJ990917_09.9A29.C23
Gene No.	33195	Strand	-
Start	4721	End	5438
Name	OJ990917_09.9A29.C23.o3.gs	Method	GENSCAN
Start	4721	End	5438
GI	none	Score	.86
Exons	4721..4805, 5344..5438		
Seq. No.	15693	Seq. ID	OJ990917_09.9A29.C24
Gene No.	33196	Strand	+
Start	572	End	909
Name	OJ990917_09.9A29.C24.o1.tm	Method	TBLASTX:Maize
Start	561	End	828
GI	none	Score	277
Exons	561..713, 579..827, 580..828, 628..828		
Seq. No.	15693	Seq. ID	OJ990917_09.9A29.C24
Gene No.	33196	Strand	+
Start	572	End	909
Name	OJ990917_09.9A29.C24.o1.gs	Method	GENSCAN
Start	572	End	843
GI	none	Score	.67
Exons	572..636, 645..843		
Seq. No.	15693	Seq. ID	OJ990917_09.9A29.C24
Gene No.	33196	Strand	+
Start	572	End	909
Name	OJ990917_09.9A29.C24.o1.np	Method	AAT/NAP
Start	583	End	909
GI	5823574	Score	217
Exons	583..909		
GI Descrip.	(AL049730) putative protein [Arabidopsis thaliana]		
Seq. No.	15694	Seq. ID	OJ990917_09.9A29.C25
Gene No.	33197	Strand	-
Start	1	End	356
Name	OJ990917_09.9A29.C25.o1.gp	Method	AAT/GAP

Start	1	End	356
GI	5480_1.R1084	Score	600
Exons	1..356		
GI Descrip.	'232172/sp\|P30523\|GLGS_WHEAT 1.0e-147 GLUCOSE-1-PHOSPHATE ADENYLYLTRANSFERASE SMALL SUBUNIT PRECURSOR (ADP-GLUCOSE SYNTHASE) (ADP-GLUCOSE PYROPHOSPHORYLASE) (AGPASE B) (ALPHA-D-GLUCOSE-1-PHOSPHATE ADENYL TRANSFERASE) >gi_481816_pir__S39504 glucose-1-phosphate adenylyltransferase (EC 2.7.7.27) - wheat >gi_21687_emb_CAA46879_ (X66080) ADP-glucose pyrophosphorylase [Triticum aestivum]'		

Seq. No.	15694	Seq. ID	OJ990917_09.9A29.C25
Gene No.	33197	Strand	-
Start	1	End	356
Name	OJ990917_09.9A29.C25.o1.tm	Method	TBLASTX:Maize
Start	24	End	340
GI	none	Score	419
Exons	24..338, 25..339, 26..340		

Seq. No.	15695	Seq. ID	OJ990917_09.9A29.C28
Gene No.	33198	Strand	-
Start	122	End	985
Name	OJ990917_09.9A29.C28.o1.gs	Method	GENSCAN
Start	122	End	985
GI	none	Score	.5
Exons	122..151, 533..985		

Seq. No.	15696	Seq. ID	OJ990917_09.9A29.C29
Gene No.	33199	Strand	+
Start	1	End	1192
Name	OJ990917_09.9A29.C29.o1.gp	Method	AAT/GAP
Start	1	End	299
GI	none	Score	587
Exons	1..299		

Seq. No.	15696	Seq. ID	OJ990917_09.9A29.C29
Gene No.	33199	Strand	+
Start	1	End	1192
Name	OJ990917_09.9A29.C29.o1.np	Method	AAT/NAP
Start	1	End	1192
GI	3142301	Score	364
Exons	1..533, 822..1028, 1132..1192		
GI Descrip.	(AC002411) Contains similarity to neural cell adhesion molecule 2, large isoform precursor gb\|M76710 from Xenopus laevis, and beta transducin from S. cerevisiae gb\|Q05946. ESTs gb\|N65081 gb\|Z30910, gb\|Z34190, gb\|Z34611, gb\|R30101, gb\|H3630...		

Seq. No.	15696	Seq. ID	OJ990917_09.9A29.C29
Gene No.	33199	Strand	+
Start	1	End	1192
Name	OJ990917_09.9A29.C29.o1.tm	Method	TBLASTX:Maize
Start	23	End	545
GI	none	Score	54
Exons	23..82, 73..186, 73..177, 188..262, 193..270, 229..408, 309..407, 394..531, 407..532, 414..545, 417..533		

Seq. No.	15696	Seq. ID	OJ990917_09.9A29.C29

Gene No.	33199	Strand	+
Start	1	End	1192
Name	OJ990917_09.9A29.C29.o1.gs	Method	GENSCAN
Start	83	End	1028
GI	none	Score	.4
Exons	83..533, 822..1028		

Seq. No.	15696	Seq. ID	OJ990917_09.9A29.C29
Gene No.	33199	Strand	+
Start	1	End	1192
Name	OJ990917_09.9A29.C29.o1.ts	Method	TBLASTX:Soybean
Start	406	End	1192
GI	none	Score	149
Exons	406..531, 420..545, 817..897, 828..896, 931..1032, 1114..1188, 1133..1192		

Seq. No.	15696	Seq. ID	OJ990917_09.9A29.C29
Gene No.	33199	Strand	+
Start	1	End	1192
Name	OJ990917_09.9A29.C29.o1.tc	Method	TBLASTX:Cress
Start	816	End	1192
GI	none	Score	80
Exons	816..890, 817..897, 817..891, 828..896, 940..1032, 983..1015, 1132..1188, 1133..1192		

Seq. No.	15697	Seq. ID	OJ990917_09.9A29.C30
Gene No.	33200	Strand	+
Start	1	End	3168
Name	OJ990917_09.9A29.C30.o1.np	Method	AAT/NAP
Start	1	End	1995
GI	3142301	Score	166
Exons	1..40, 457..570, 644..704, 1777..1826, 1913..1995		
GI Descrip.	(AC002411) Contains similarity to neural cell adhesion molecule 2, large isoform precursor gb\|M76710 from Xenopus laevis, and beta transducin from S. cerevisiae gb\|Q05946. ESTs gb\|N65081 gb\|Z30910, gb\|Z34190, gb\|Z34611, gb\|R30101, gb\|H3630...		

Seq. No.	15697	Seq. ID	OJ990917_09.9A29.C30
Gene No.	33200	Strand	+
Start	1	End	3168
Name	OJ990917_09.9A29.C30.o1.gs	Method	GENSCAN
Start	457	End	3168
GI	none	Score	.41
Exons	457..570, 1424..1509, 2348..2505, 3041..3168		

Seq. No.	15697	Seq. ID	OJ990917_09.9A29.C30
Gene No.	33200	Strand	+
Start	1	End	3168
Name	OJ990917_09.9A29.C30.o1.gp	Method	AAT/GAP
Start	1338	End	1754
GI	none	Score	806
Exons	1338..1754		

Seq. No.	15697	Seq. ID	OJ990917_09.9A29.C30
Gene No.	33201	Strand	+
Start	3763	End	5943
Name	OJ990917_09.9A29.C30.o2.gp	Method	AAT/GAP

Start	3763	End	5943
GI	26789_1.R1084	Score	731
Exons	3763..3882, 3995..4089, 5770..5943		
GI Descrip.	'1170242/sp\|P42045\|HEMZ_HORVU 6.0e-21 FERROCHELATASE PRECURSOR (PROTOHEME FERRO-LYASE) (HEME SYNTHETASE) >gi_474966_dbj_BAA05101_ (D26105) ferrochelatase [Hordeum vulgare]'		

Seq. No.	15697	Seq. ID	OJ990917_09.9A29.C30
Gene No.	33201	Strand	+
Start	3763	End	5943
Name	OJ990917_09.9A29.C30.o2.np	Method	AAT/NAP
Start	4007	End	5943
GI	2460251	Score	130
Exons	4007..4086, 5770..5943		
GI Descrip.	(AF020791) ferrochelatase [Hordeum vulgare]		

Seq. No.	15697	Seq. ID	OJ990917_09.9A29.C30
Gene No.	33202	Strand	-
Start	3769	End	5805
Name	OJ990917_09.9A29.C30.o1.tc	Method	TBLASTX:Cress
Start	439	End	572
GI	none	Score	188
Exons	439..570, 457..570, 462..572, 465..572		

Seq. No.	15697	Seq. ID	OJ990917_09.9A29.C30
Gene No.	33202	Strand	-
Start	3769	End	5805
Name	OJ990917_09.9A29.C30.o1.tm	Method	TBLASTX:Maize
Start	454	End	686
GI	none	Score	186
Exons	454..570, 455..571, 456..572, 457..570, 638..682, 642..686		

Seq. No.	15697	Seq. ID	OJ990917_09.9A29.C30
Gene No.	33202	Strand	-
Start	3769	End	5805
Name	OJ990917_09.9A29.C30.o2.gs	Method	GENSCAN
Start	3769	End	5805
GI	none	Score	.87
Exons	3769..4063, 4090..4205, 5650..5805		

Seq. No.	15698	Seq. ID	OJ990917_09.9A29.C31
Gene No.	33203	Strand	+
Start	1	End	1377
Name	OJ990917_09.9A29.C31.o1.np	Method	AAT/NAP
Start	1	End	1377
GI	2460251	Score	646
Exons	1..237, 391..492, 796..899, 1049..1175, 1357..1377		
GI Descrip.	(AF020791) ferrochelatase [Hordeum vulgare]		

Seq. No.	15698	Seq. ID	OJ990917_09.9A29.C31
Gene No.	33203	Strand	+
Start	1	End	1377
Name	OJ990917_09.9A29.C31.o2.tm	Method	TBLASTX:Maize
Start	80	End	480
GI	none	Score	138
Exons	80..238, 86..238, 90..242, 93..242, 142..246, 387..479,		

388..477, 439..480

Seq. No.	15698	Seq. ID	OJ990917_09.9A29.C31
Gene No.	33203	Strand	+
Start	1	End	1377
Name	OJ990917_09.9A29.C31.o1.gs	Method	GENSCAN
Start	94	End	903
GI	none	Score	.83
Exons	94..237, 391..492, 796..903		

Seq. No.	15698	Seq. ID	OJ990917_09.9A29.C31
Gene No.	33203	Strand	+
Start	1	End	1377
Name	OJ990917_09.9A29.C31.o1.tm	Method	TBLASTX:Maize
Start	1046	End	1178
GI	none	Score	218
Exons	1046..1177, 1047..1178		

Seq. No.	15699	Seq. ID	OJ990917_09.9A29.C32
Gene No.	33204	Strand	-
Start	16	End	152
Name	OJ990917_09.9A29.C32.o1.gs	Method	GENSCAN
Start	16	End	152
GI	none	Score	.55
Exons	16..152		

Seq. No.	15700	Seq. ID	OJ990627_42.9B05.C1
Gene No.	33205	Strand	-
Start	106	End	196
Name	OJ990627_42.9B05.C1.o1.gs	Method	GENSCAN
Start	106	End	196
GI	none	Score	.67
Exons	106..196		

Seq. No.	15701	Seq. ID	OJ990627_42.9B05.C2
Gene No.	33206	Strand	+
Start	194	End	889
Name	OJ990627_42.9B05.C2.o1.gs	Method	GENSCAN
Start	194	End	889
GI	none	Score	.62
Exons	194..385, 842..889		

Seq. No.	15701	Seq. ID	OJ990627_42.9B05.C2
Gene No.	33207	Strand	+
Start	2193	End	2732
Name	OJ990627_42.9B05.C2.o2.gs	Method	GENSCAN
Start	2193	End	2732
GI	none	Score	.8
Exons	2193..2267, 2292..2732		

Seq. No.	15702	Seq. ID	OJ990627_42.9B05.C4
Gene No.	33208	Strand	+
Start	1794	End	5463
Name	OJ990627_42.9B05.C4.o2.gs	Method	GENSCAN
Start	1794	End	5414
GI	none	Score	.85
Exons	1794..1828, 2082..2234, 2941..3236, 3589..3624, 3808..3941,		

4142..4271, 4627..4787, 4924..5025, 5302..5414

Seq. No.	15702	Seq. ID	OJ990627_42.9B05.C4
Gene No.	33208	Strand	+
Start	1794	End	5463
Name	OJ990627_42.9B05.C4.o2.gp	Method	AAT/GAP
Start	2893	End	5463
GI	26006_1.R1084	Score	1948
Exons	2893..3236, 3808..3941, 4142..4271, 4627..4787, 4924..5025, 5123..5227, 5302..5463		
GI Descrip.	'3334276/sp\|Q13823\|NGP1_HUMAN 1.0e-131 AUTOANTIGEN NGP-1 >gi_179285_gb_AAC37588.1_ (L05425) nucleolar GTPase [Homo sapiens]'		

Seq. No.	15702	Seq. ID	OJ990627_42.9B05.C4
Gene No.	33208	Strand	+
Start	1794	End	5463
Name	OJ990627_42.9B05.C4.o2.np	Method	AAT/NAP
Start	2981	End	5463
GI	6862958	Score	1096
Exons	2981..3236, 3808..3941, 4142..4271, 4627..4787, 4924..5025, 5123..5227, 5302..5463		
GI Descrip.	(AC019018) putative GTP-binding protein [Arabidopsis thaliana]		

Seq. No.	15702	Seq. ID	OJ990627_42.9B05.C4
Gene No.	33209	Strand	-
Start	1	End	1018
Name	OJ990627_42.9B05.C4.o1.np	Method	AAT/NAP
Start	1	End	952
GI	6056371	Score	708
Exons	1..179, 431..645, 748..952		
GI Descrip.	(AC009894) nucleolar protein [Arabidopsis thaliana]		

Seq. No.	15702	Seq. ID	OJ990627_42.9B05.C4
Gene No.	33209	Strand	-
Start	1	End	1018
Name	OJ990627_42.9B05.C4.o1.tm	Method	TBLASTX:Maize
Start	7	End	959
GI	none	Score	217
Exons	7..171, 12..176, 26..172, 429..650, 431..646, 746..958, 747..959		

Seq. No.	15702	Seq. ID	OJ990627_42.9B05.C4
Gene No.	33209	Strand	-
Start	1	End	1018
Name	OJ990627_42.9B05.C4.o1.ts	Method	TBLASTX:Soybean
Start	12	End	953
GI	none	Score	161
Exons	12..173, 26..163, 27..164, 431..646, 453..650, 740..952, 747..953		

Seq. No.	15702	Seq. ID	OJ990627_42.9B05.C4
Gene No.	33209	Strand	-
Start	1	End	1018
Name	OJ990627_42.9B05.C4.o3.tc	Method	TBLASTX:Cress
Start	12	End	171
GI	none	Score	134
Exons	12..170, 21..170, 22..171		

Seq. No.	15702	Seq. ID	OJ990627_42.9B05.C4
Gene No.	33209	Strand	-
Start	1	End	1018
Name	OJ990627_42.9B05.C4.o1.gs	Method	GENSCAN
Start	27	End	952
GI	none	Score	.97
Exons	27..179, 431..645, 748..952		

Seq. No.	15702	Seq. ID	OJ990627_42.9B05.C4
Gene No.	33209	Strand	-
Start	1	End	1018
Name	OJ990627_42.9B05.C4.o1.tc	Method	TBLASTX:Cress
Start	431	End	955
GI	none	Score	224
Exons	431..646, 438..650, 746..955, 747..953		

Seq. No.	15702	Seq. ID	OJ990627_42.9B05.C4
Gene No.	33209	Strand	-
Start	1	End	1018
Name	OJ990627_42.9B05.C4.o1.gp	Method	AAT/GAP
Start	473	End	1018
GI	53703_1.R1084	Score	853
Exons	473..645, 748..1018		
GI Descrip.	'6056371/gb\|AAF02835.1\|AC009894_6 2.0e-48 (AC009894) nucleolar protein [Arabidopsis thaliana]'		

Seq. No.	15702	Seq. ID	OJ990627_42.9B05.C4
Gene No.	33210	Strand	
Start	2998	End	5433
Name	OJ990627_42.9B05.C4.o2.tm	Method	TBLASTX:Maize
Start	2998	End	5433
GI	none	Score	92
Exons	2998..3060, 3002..3061, 3026..3061, 3097..3237, 3098..3238, 3122..3241, 3807..3941, 3829..3939, 3864..3941, 4139..4270, 4141..4272, 4141..4266, 4618..4788, 4632..4757, 4632..4790, 4896..5024, 4913..5023, 4921..5025, 5122..5226, 5123..5233, 5293..5430, 5299..5433, 5301..5432		

Seq. No.	15702	Seq. ID	OJ990627_42.9B05.C4
Gene No.	33210	Strand	
Start	2998	End	5433
Name	OJ990627_42.9B05.C4.o1.tw	Method	TBLASTX:Wheat
Start	3001	End	3206
GI	none	Score	63
Exons	3001..3039, 3002..3046, 3097..3204, 3098..3205, 3150..3206		

Seq. No.	15702	Seq. ID	OJ990627_42.9B05.C4
Gene No.	33210	Strand	
Start	2998	End	5433
Name	OJ990627_42.9B05.C4.o3.ts	Method	TBLASTX:Soybean
Start	3001	End	4748
GI	none	Score	92
Exons	3001..3060, 3002..3061, 3097..3237, 3098..3238, 3807..3941, 4139..4270, 4141..4269, 4629..4748		

Seq. No.	15702	Seq. ID	OJ990627_42.9B05.C4

Gene No.	33210	Strand	
Start	2998	End	5433
Name	OJ990627_42.9B05.C4.o2.tc	Method	TBLASTX:Cress
Start	4671	End	5433
GI	none	Score	149
Exons	4671..4757, 4703..4744, 4921..5025, 4923..5084, 5102..5233, 5120..5212, 5122..5223, 5292..5432, 5299..5433		

Seq. No.	15702	Seq. ID	OJ990627_42.9B05.C4
Gene No.	33210	Strand	
Start	2998	End	5433
Name	OJ990627_42.9B05.C4.o2.ts	Method	TBLASTX:Soybean
Start	4963	End	5433
GI	none	Score	80
Exons	4963..5025, 4965..5024, 5121..5213, 5122..5223, 5123..5233, 5292..5432, 5299..5433		

Seq. No.	15703	Seq. ID	OJ990627_42.9B05.C5
Gene No.	33211	Strand	+
Start	1	End	1107
Name	OJ990627_42.9B05.C5.o1.np	Method	AAT/NAP
Start	1	End	1107
GI	6862958	Score	260
Exons	1..24, 228..328, 673..730, 1029..1107		
GI Descrip.	(AC019018) putative GTP-binding protein [Arabidopsis thaliana]		

Seq. No.	15703	Seq. ID	OJ990627_42.9B05.C5
Gene No.	33211	Strand	+
Start	1	End	1107
Name	OJ990627_42.9B05.C5.o1.gp	Method	AAT/GAP
Start	228	End	1107
GI	26006_1.R1084	Score	409
Exons	228..328, 673..730, 1029..1107		
GI Descrip.	'3334276/sp\|Q13823\|NGP1_HUMAN 1.0e-131 AUTOANTIGEN NGP-1 >gi_179285_gb_AAC37588.1_ (L05425) nucleolar GTPase [Homo sapiens]'		

Seq. No.	15703	Seq. ID	OJ990627_42.9B05.C5
Gene No.	33211	Strand	+
Start	1	End	1107
Name	OJ990627_42.9B05.C5.o1.gs	Method	GENSCAN
Start	228	End	328
GI	none	Score	.89
Exons	228..328		

Seq. No.	15704	Seq. ID	OJ990627_42.9B05.C6
Gene No.	33212	Strand	+
Start	1	End	186
Name	OJ990627_42.9B05.C6.o1.gp	Method	AAT/GAP
Start	1	End	186
GI	56616_1.R1084	Score	278
Exons	1..186		
GI Descrip.	'6056371/gb\|AAF02835.1\|AC009894_6 7.0e-42 (AC009894) nucleolar protein [Arabidopsis thaliana]'		

Seq. No.	15704	Seq. ID	OJ990627_42.9B05.C6
Gene No.	33213	Strand	-

Start	1	End	340
Name	OJ990627_42.9B05.C6.o1.np	Method	AAT/NAP
Start	1	End	340
GI	6056371	Score	255
Exons	1..172, 295..340		
GI Descrip.	(AC009894) nucleolar protein [Arabidopsis thaliana]		

Seq. No.	15704	Seq. ID	OJ990627_42.9B05.C6
Gene No.	33213	Strand	-
Start	1	End	340
Name	OJ990627_42.9B05.C6.o1.gs	Method	GENSCAN
Start	24	End	172
GI	none	Score	.62
Exons	24..172		

Seq. No.	15704	Seq. ID	OJ990627_42.9B05.C6
Gene No.	33213	Strand	-
Start	1	End	340
Name	OJ990627_42.9B05.C6.o1.tm	Method	TBLASTX:Maize
Start	25	End	339
GI	none	Score	211
Exons	25..174, 26..193, 29..175, 285..338, 286..339		

Seq. No.	15704	Seq. ID	OJ990627_42.9B05.C6
Gene No.	33213	Strand	-
Start	1	End	340
Name	OJ990627_42.9B05.C6.o1.ts	Method	TBLASTX:Soybean
Start	25	End	338
GI	none	Score	208
Exons	25..174, 26..193, 26..202, 30..296, 285..338, 286..336		

Seq. No.	15705	Seq. ID	OJ990627_42.9B05.C7
Gene No.	33214	Strand	+
Start	3657	End	6440
Name	OJ990627_42.9B05.C7.o1.gs	Method	GENSCAN
Start	3657	End	6212
GI	none	Score	.45
Exons	3657..3740, 4922..5030, 5152..5936, 6012..6212		

Seq. No.	15705	Seq. ID	OJ990627_42.9B05.C7
Gene No.	33214	Strand	+
Start	3657	End	6440
Name	OJ990627_42.9B05.C7.o1.np	Method	AAT/NAP
Start	4885	End	6440
GI	6735309	Score	633
Exons	4885..5032, 5157..5936, 6012..6212, 6330..6440		
GI Descrip.	(AL137080) helicase-like protein [Arabidopsis thaliana]		

Seq. No.	15705	Seq. ID	OJ990627_42.9B05.C7
Gene No.	33214	Strand	+
Start	3657	End	6440
Name	OJ990627_42.9B05.C7.o1.tm	Method	TBLASTX:Maize
Start	4946	End	5387
GI	none	Score	81
Exons	4946..5044, 5151..5378, 5152..5340, 5153..5362, 5169..5387		

Seq. No.	15705	Seq. ID	OJ990627_42.9B05.C7

Gene No.	33214	Strand	+
Start	3657	End	6440
Name	OJ990627_42.9B05.C7.o1.tc	Method	TBLASTX:Cress
Start	5524	End	5857
GI	none	Score	264
Exons	5524..5664, 5540..5788, 5541..5789, 5825..5857		

Seq. No.	15706	Seq. ID	OJ990627_42.9B05.C8
Gene No.	33215	Strand	+
Start	3483	End	3818
Name	OJ990627_42.9B05.C8.o2.gs	Method	GENSCAN
Start	3483	End	3818
GI	none	Score	.81
Exons	3483..3818		

Seq. No.	15706	Seq. ID	OJ990627_42.9B05.C8
Gene No.	33216	Strand	+
Start	4789	End	8562
Name	OJ990627_42.9B05.C8.o3.gs	Method	GENSCAN
Start	4789	End	8562
GI	none	Score	.77
Exons	4789..4927, 5193..5307, 5792..6213, 6380..6504, 6572..6763, 6834..6911, 6940..7730, 7867..8012, 8123..8562		

Seq. No.	15706	Seq. ID	OJ990627_42.9B05.C8
Gene No.	33216	Strand	+
Start	4789	End	8562
Name	OJ990627_42.9B05.C8.o2.np	Method	AAT/NAP
Start	6508	End	7731
GI	6721561	Score	1217
Exons	6508..6763, 6834..6892, 6966..7731		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	15706	Seq. ID	OJ990627_42.9B05.C8
Gene No.	33217	Strand	+
Start	11841	End	12169
Name	OJ990627_42.9B05.C8.o4.gp	Method	AAT/GAP
Start	11841	End	12169
GI	1631463	Score	83
Exons	11841..11862, 12104..12169		
GI Descrip.	4680178/gb\|AF111709.1\|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	15706	Seq. ID	OJ990627_42.9B05.C8
Gene No.	33218	Strand	-
Start	272	End	3268
Name	OJ990627_42.9B05.C8.o1.np	Method	AAT/NAP
Start	272	End	2233
GI	2623297	Score	657
Exons	272..295, 1387..2233		
GI Descrip.	(AC002409) unknown protein [Arabidopsis thaliana] gi\|3790583 (AF079180) RING-H2 finger protein RHC1a [Arabidopsis thaliana]		

Seq. No.	15706	Seq. ID	OJ990627_42.9B05.C8
Gene No.	33218	Strand	-
Start	272	End	3268
Name	OJ990627_42.9B05.C8.o1.gp	Method	AAT/GAP
Start	1417	End	1945
GI	48898_1.R1084	Score	905
Exons	1417..1945		
GI Descrip.	'2623297 4.0e-22 (AC002409) unknown protein [Arabidopsis thaliana] >gi_3790583 (AF079180) RING-H2 finger protein RHC1a [Arabidopsis thaliana]'		

Seq. No.	15706	Seq. ID	OJ990627_42.9B05.C8
Gene No.	33218	Strand	-
Start	272	End	3268
Name	OJ990627_42.9B05.C8.o3.gp	Method	AAT/GAP
Start	1957	End	3268
GI	702232	Score	855
Exons	1957..2292, 3149..3268		

Seq. No.	15706	Seq. ID	OJ990627_42.9B05.C8
Gene No.	33219	Strand	-
Start	9254	End	16931
Name	OJ990627_42.9B05.C8.o1.tm	Method	TBLASTX:Maize
Start	1236	End	1907
GI	none	Score	40
Exons	1236..1271, 1236..1277, 1271..1294, 1398..1436, 1398..1478, 1399..1479, 1470..1541, 1526..1639, 1527..1640, 1527..1640, 1534..1641, 1534..1641, 1633..1698, 1635..1862, 1637..1861, 1844..1906, 1845..1907		

Seq. No.	15706	Seq. ID	OJ990627_42.9B05.C8
Gene No.	33219	Strand	-
Start	9254	End	16931
Name	OJ990627_42.9B05.C8.o1.tc	Method	TBLASTX:Cress
Start	1389	End	2233
GI	none	Score	49
Exons	1389..1436, 1409..1432, 1514..1690, 1530..1685, 1689..1766, 1691..1765, 1733..1873, 1779..1862, 1977..2069, 2108..2233, 2121..2213		

Seq. No.	15706	Seq. ID	OJ990627_42.9B05.C8
Gene No.	33219	Strand	-
Start	9254	End	16931
Name	OJ990627_42.9B05.C8.o1.ts	Method	TBLASTX:Soybean
Start	1395	End	2215
GI	none	Score	53
Exons	1395..1436, 1409..1432, 1517..1846, 1532..1732, 1536..1823, 1901..1945, 1976..2065, 1977..2066, 2114..2215, 2118..2210		

Seq. No.	15706	Seq. ID	OJ990627_42.9B05.C8
Gene No.	33219	Strand	-
Start	9254	End	16931
Name	OJ990627_42.9B05.C8.o2.tm	Method	TBLASTX:Maize
Start	1907	End	2278
GI	none	Score	476
Exons	1907..2239, 1908..2237, 1909..2259, 1910..2278		

Seq. No.	15706	Seq. ID	OJ990627_42.9B05.C8
Gene No.	33219	Strand	-
Start	9254	End	16931
Name	OJ990627_42.9B05.C8.o4.gs	Method	GENSCAN
Start	9254	End	16474
GI	none	Score	.61
Exons	9254..9727, 9925..10088, 10195..10542, 10649..10867, 12121..12167, 12434..12724, 12814..12879, 12972..13051, 13860..14079, 14219..14557, 14756..15609, 15885..16207, 16297..16474		

Seq. No.	15706	Seq. ID	OJ990627_42.9B05.C8
Gene No.	33219	Strand	-
Start	9254	End	16931
Name	OJ990627_42.9B05.C8.o3.np	Method	AAT/NAP
Start	9257	End	15546
GI	5902445	Score	2954
Exons	9257..10494, 10529..10748, 13923..15546		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	15706	Seq. ID	OJ990627_42.9B05.C8
Gene No.	33219	Strand	-
Start	9254	End	16931
Name	OJ990627_42.9B05.C8.o3.tw	Method	TBLASTX:Wheat
Start	9266	End	9875
GI	none	Score	63
Exons	9266..9397, 9267..9392, 9422..9874, 9618..9725, 9684..9875, 9771..9869		

Seq. No.	15706	Seq. ID	OJ990627_42.9B05.C8
Gene No.	33219	Strand	-
Start	9254	End	16931
Name	OJ990627_42.9B05.C8.o6.tm	Method	TBLASTX:Maize
Start	9389	End	9652
GI	none	Score	193
Exons	9389..9652		

Seq. No.	15706	Seq. ID	OJ990627_42.9B05.C8
Gene No.	33219	Strand	-
Start	9254	End	16931
Name	OJ990627_42.9B05.C8.o4.tw	Method	TBLASTX:Wheat
Start	9896	End	10249
GI	none	Score	34
Exons	9896..9964, 9939..9980, 9967..10248, 9995..10147, 10193..10249		

Seq. No.	15706	Seq. ID	OJ990627_42.9B05.C8
Gene No.	33219	Strand	-
Start	9254	End	16931
Name	OJ990627_42.9B05.C8.o4.tm	Method	TBLASTX:Maize
Start	10075	End	10381
GI	none	Score	133
Exons	10075..10293, 10076..10294, 10271..10381		

Seq. No.	15706	Seq. ID	OJ990627_42.9B05.C8
Gene No.	33219	Strand	-
Start	9254	End	16931

Name	OJ990627_42.9B05.C8.o5.tw	Method	TBLASTX:Wheat
Start	11552	End	16247
GI	none	Score	74
Exons	11552..11677, 15793..15870, 15862..16026, 15873..16028, 16065..16247, 16162..16239		

Seq. No.	15706	Seq. ID	OJ990627_42.9B05.C8
Gene No.	33219	Strand	-
Start	9254	End	16931
Name	OJ990627_42.9B05.C8.o5.np	Method	AAT/NAP
Start	13986	End	16931
GI	5042454	Score	97
Exons	13986..14104, 14392..14557, 16792..16931		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	15706	Seq. ID	OJ990627_42.9B05.C8
Gene No.	33219	Strand	-
Start	9254	End	16931
Name	OJ990627_42.9B05.C8.o6.tw	Method	TBLASTX:Wheat
Start	14052	End	14461
GI	none	Score	99
Exons	14052..14147, 14131..14226, 14234..14461, 14236..14460		

Seq. No.	15706	Seq. ID	OJ990627_42.9B05.C8
Gene No.	33219	Strand	-
Start	9254	End	16931
Name	OJ990627_42.9B05.C8.o2.ts	Method	TBLASTX:Soybean
Start	14581	End	14976
GI	none	Score	34
Exons	14581..14976, 14708..14740, 14792..14917		

Seq. No.	15706	Seq. ID	OJ990627_42.9B05.C8
Gene No.	33219	Strand	-
Start	9254	End	16931
Name	OJ990627_42.9B05.C8.o2.tw	Method	TBLASTX:Wheat
Start	14611	End	15030
GI	none	Score	208
Exons	14611..15030, 14648..14920		

Seq. No.	15706	Seq. ID	OJ990627_42.9B05.C8
Gene No.	33219	Strand	-
Start	9254	End	16931
Name	OJ990627_42.9B05.C8.o5.tm	Method	TBLASTX:Maize
Start	14704	End	15087
GI	none	Score	98
Exons	14704..15087, 14705..14920, 14902..15027		

Seq. No.	15706	Seq. ID	OJ990627_42.9B05.C8
Gene No.	33219	Strand	-
Start	9254	End	16931
Name	OJ990627_42.9B05.C8.o3.tm	Method	TBLASTX:Maize
Start	15115	End	15471
GI	none	Score	223
Exons	15115..15471, 15116..15412		

Seq. No.	15706	Seq. ID	OJ990627_42.9B05.C8
Gene No.	33219	Strand	-

Start	9254	End	16931
Name	OJ990627_42.9B05.C8.o1.tw	Method	TBLASTX:Wheat
Start	15145	End	15601
GI	none	Score	361
Exons	15145..15600, 15146..15601		

Seq. No.	15706	Seq. ID	OJ990627_42.9B05.C8
Gene No.	33219	Strand	-
Start	9254	End	16931
Name	OJ990627_42.9B05.C8.o3.ts	Method	TBLASTX:Soybean
Start	15196	End	15561
GI	none	Score	99
Exons	15196..15330, 15367..15561		

Seq. No.	15706	Seq. ID	OJ990627_42.9B05.C8
Gene No.	33219	Strand	-
Start	9254	End	16931
Name	OJ990627_42.9B05.C8.o4.np	Method	AAT/NAP
Start	15613	End	16931
GI	5902444	Score	535
Exons	15613..16556, 16631..16731, 16851..16931		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9
Gene No.	33220	Strand	+
Start	1864	End	2357
Name	OJ990627_42.9B05.C9.o1.gp	Method	AAT/GAP
Start	1864	End	2357
GI	none	Score	864
Exons	1864..2357		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9
Gene No.	33221	Strand	+
Start	2523	End	5184
Name	OJ990627_42.9B05.C9.o1.gs	Method	GENSCAN
Start	2523	End	5184
GI	none	Score	.46
Exons	2523..2867, 3445..3532, 3632..3761, 4133..4312, 4848..5184		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9
Gene No.	33221	Strand	+
Start	2523	End	5184
Name	OJ990627_42.9B05.C9.o1.np	Method	AAT/NAP
Start	2523	End	5181
GI	3738302	Score	1344
Exons	2523..2867, 3445..3532, 3626..3761, 4133..4312, 4716..5181		
GI Descrip.	(AC005309) putative Tub family protein [Arabidopsis thaliana]		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9
Gene No.	33222	Strand	+
Start	5941	End	6290
Name	OJ990627_42.9B05.C9.o2.gp	Method	AAT/GAP
Start	5941	End	6290
GI	702900	Score	520
Exons	5941..6290		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9

Gene No.	33223	Strand	+
Start	6963	End	7528
Name	OJ990627_42.9B05.C9.o4.gp	Method	AAT/GAP
Start	6963	End	7528
GI	54791_1.R1084	Score	1038
Exons	6963..7528		
GI Descrip.	'5031285/gb\|AAD38148.1\|AF139501_1 1.0e-14 (AF139501) beta-amylase [Prunus armeniaca]'		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9
Gene No.	33224	Strand	+
Start	13716	End	14933
Name	OJ990627_42.9B05.C9.o4.gs	Method	GENSCAN
Start	13716	End	14933
GI	none	Score	.92
Exons	13716..14933		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9
Gene No.	33225	Strand	+
Start	23652	End	24996
Name	OJ990627_42.9B05.C9.o4.np	Method	AAT/NAP
Start	23652	End	24996
GI	6630699	Score	93
Exons	23652..23684, 23967..23993, 24892..24996		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9
Gene No.	33226	Strand	+
Start	25210	End	27579
Name	OJ990627_42.9B05.C9.o5.np	Method	AAT/NAP
Start	25123	End	27579
GI	6539570	Score	190
Exons	25123..25326, 25507..25584, 25859..26193, 27536..27579		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9
Gene No.	33226	Strand	+
Start	25210	End	27579
Name	OJ990627_42.9B05.C9.o7.gs	Method	GENSCAN
Start	25210	End	26340
GI	none	Score	.7
Exons	25210..25360, 25553..25573, 26231..26340		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9
Gene No.	33227	Strand	+
Start	31339	End	35810
Name	OJ990627_42.9B05.C9.o9.gs	Method	GENSCAN
Start	31339	End	35810
GI	none	Score	.81
Exons	31339..31344, 31993..32115, 33284..33401, 33456..33645, 33752..33857, 33972..34013, 34521..34700, 34774..34938, 35220..35420, 35511..35810		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9
Gene No.	33227	Strand	+

Start	31339	End	35810
Name	OJ990627_42.9B05.C9.o7.gp	Method	AAT/GAP
Start	33474	End	35810
GI	59_1.R1084	Score	1849
Exons	33474..33645, 33752..33857, 33972..34013, 34521..34700, 34774..34938, 35220..35420, 35511..35810		
GI Descrip.	'3288883/dbj\|BAA31260\| 0.0e+00 (AB015431) SAR DNA binding protein [Oryza sativa]'		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9
Gene No.	33227	Strand	+
Start	31339	End	35810
Name	OJ990627_42.9B05.C9.o7.np	Method	AAT/NAP
Start	33780	End	35810
GI	3288883	Score	1422
Exons	33780..33857, 33972..34013, 34521..34700, 34774..34938, 35220..35420, 35511..35810		
GI Descrip.	(AB015431) SAR DNA binding protein [Oryza sativa]		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9
Gene No.	33228	Strand	-
Start	6389	End	8923
Name	OJ990627_42.9B05.C9.o2.np	Method	AAT/NAP
Start	6389	End	8674
GI	5031285	Score	795
Exons	6389..6455, 7364..8132, 8213..8674		
GI Descrip.	(AF139501) beta-amylase [Prunus armeniaca]		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9
Gene No.	33228	Strand	-
Start	6389	End	8923
Name	OJ990627_42.9B05.C9.o2.gs	Method	GENSCAN
Start	7201	End	8923
GI	none	Score	.98
Exons	7201..7686, 7758..8132, 8213..8923		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9
Gene No.	33228	Strand	-
Start	6389	End	8923
Name	OJ990627_42.9B05.C9.o5.gp	Method	AAT/GAP
Start	7844	End	8141
GI	569009	Score	548
Exons	7844..8141		
GI Descrip.	5031285/gb\|AAD38148.1\|AF139501_1 1.0e-14 (AF139501) beta-amylase [Prunus armeniaca]		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9
Gene No.	33229	Strand	-
Start	15467	End	19209
Name	OJ990627_42.9B05.C9.o6.gp	Method	AAT/GAP
Start	15467	End	17980
GI	1_1.R1084	Score	3120
Exons	15467..15779, 15902..16191, 16838..17068, 17190..17980		
GI Descrip.	'5031285/gb\|AAD38148.1\|AF139501_1 1.0e-14 (AF139501) beta-amylase [Prunus armeniaca]'		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9

Gene No.	33229	Strand	-
Start	15467	End	19209
Name	OJ990627_42.9B05.C9.o5.gs	Method	GENSCAN
Start	15686	End	19209
GI	none	Score	.82
Exons	15686..15779, 15902..16191, 16838..17068, 17190..17877, 19004..19209		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9
Gene No.	33229	Strand	-
Start	15467	End	19209
Name	OJ990627_42.9B05.C9.o3.np	Method	AAT/NAP
Start	15689	End	17786
GI	3618308	Score	2086
Exons	15689..15779, 15902..16191, 16838..17068, 17190..17786		
GI Descrip.	(AB001882) zinc finger protein [Oryza sativa]		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9
Gene No.	33230	Strand	-
Start	28157	End	30245
Name	OJ990627_42.9B05.C9.o6.ts	Method	TBLASTX:Soybean
Start	2661	End	4327
GI	none	Score	48
Exons	2661..2690, 2666..2866, 2742..2867, 3441..3512, 3442..3528, 3622..3762, 3627..3770, 4130..4300, 4130..4327, 4131..4313, 4135..4314		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9
Gene No.	33230	Strand	-
Start	28157	End	30245
Name	OJ990627_42.9B05.C9.o6.tc	Method	TBLASTX:Cress
Start	2742	End	4313
GI	none	Score	183
Exons	2742..2867, 2744..2884, 3441..3527, 3442..3537, 3622..3762, 3627..3770, 4118..4162, 4131..4169, 4236..4277, 4238..4270, 4268..4306, 4269..4313		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9
Gene No.	33230	Strand	-
Start	28157	End	30245
Name	OJ990627_42.9B05.C9.o2.tm	Method	TBLASTX:Maize
Start	3725	End	5178
GI	none	Score	68
Exons	3725..3766, 3726..3764, 4130..4312, 4131..4313, 4710..5177, 4714..5178		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9
Gene No.	33230	Strand	-
Start	28157	End	30245
Name	OJ990627_42.9B05.C9.o2.ts	Method	TBLASTX:Soybean
Start	4710	End	5206
GI	none	Score	194
Exons	4710..4880, 4714..4881, 4867..5205, 4877..5206, 4884..5201		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9
Gene No.	33230	Strand	-
Start	28157	End	30245

Name	OJ990627_42.9B05.C9.o7.tc	Method	TBLASTX:Cress
Start	4710	End	4905
GI	none	Score	199
Exons	4710..4889, 4714..4905		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9
Gene No.	33230	Strand	-
Start	28157	End	30245
Name	OJ990627_42.9B05.C9.o3.tw	Method	TBLASTX:Wheat
Start	4897	End	5022
GI	none	Score	201
Exons	4897..5022, 4908..5018, 4921..5022		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9
Gene No.	33230	Strand	-
Start	28157	End	30245
Name	OJ990627_42.9B05.C9.o3.tc	Method	TBLASTX:Cress
Start	4909	End	5205
GI	none	Score	201
Exons	4909..5037, 4914..5018, 5017..5205, 5030..5182, 5046..5183		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9
Gene No.	33230	Strand	-
Start	28157	End	30245
Name	OJ990627_42.9B05.C9.o2.tw	Method	TBLASTX:Wheat
Start	5053	End	5184
GI	none	Score	203
Exons	5053..5184, 5057..5182, 5058..5183		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9
Gene No.	33230	Strand	-
Start	28157	End	30245
Name	OJ990627_42.9B05.C9.o3.ts	Method	TBLASTX:Soybean
Start	7369	End	8834
GI	none	Score	80
Exons	7369..7473, 7686..7706, 7710..7745, 7740..7904, 7809..7892, 7905..8039, 7939..8040, 8094..8129, 8216..8380, 8420..8500, 8505..8657, 8513..8674, 8766..8834		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9
Gene No.	33230	Strand	-
Start	28157	End	30245
Name	OJ990627_42.9B05.C9.o4.tm	Method	TBLASTX:Maize
Start	7396	End	8671
GI	none	Score	102
Exons	7396..7473, 7755..7913, 7755..8036, 7756..8040, 8094..8132, 8201..8383, 8426..8500, 8528..8671, 8541..8657		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9
Gene No.	33230	Strand	-
Start	28157	End	30245
Name	OJ990627_42.9B05.C9.o4.tc	Method	TBLASTX:Cress
Start	7755	End	8115
GI	none	Score	141
Exons	7755..8036, 7786..8040, 8080..8115		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9

Gene No.	33230	Strand	-
Start	28157	End	30245
Name	OJ990627_42.9B05.C9.o5.tc	Method	TBLASTX:Cress
Start	8213	End	8575
GI	none	Score	47
Exons	8213..8383, 8286..8333, 8420..8500, 8421..8501, 8513..8575		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9
Gene No.	33230	Strand	-
Start	28157	End	30245
Name	OJ990627_42.9B05.C9.o4.ts	Method	TBLASTX:Soybean
Start	14175	End	14444
GI	none	Score	333
Exons	14175..14444, 14177..14440		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9
Gene No.	33230	Strand	-
Start	28157	End	30245
Name	OJ990627_42.9B05.C9.o3.tm	Method	TBLASTX:Maize
Start	14477	End	14903
GI	none	Score	269
Exons	14477..14674, 14490..14675, 14647..14799, 14655..14903, 14658..14903		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9
Gene No.	33230	Strand	-
Start	28157	End	30245
Name	OJ990627_42.9B05.C9.o5.ts	Method	TBLASTX:Soybean
Start	14567	End	14821
GI	none	Score	195
Exons	14567..14677, 14568..14708, 14661..14708, 14700..14816, 14703..14819, 14720..14821		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9
Gene No.	33230	Strand	-
Start	28157	End	30245
Name	OJ990627_42.9B05.C9.o5.tm	Method	TBLASTX:Maize
Start	15692	End	17277
GI	none	Score	114
Exons	15692..15781, 15706..15780, 15893..15979, 15901..15969, 15952..16194, 15953..16210, 16870..16905, 16890..16916, 16928..17059, 16932..17060, 17175..17273, 17185..17274, 17191..17277		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9
Gene No.	33230	Strand	-
Start	28157	End	30245
Name	OJ990627_42.9B05.C9.o6.tm	Method	TBLASTX:Maize
Start	17355	End	17618
GI	none	Score	94
Exons	17355..17432, 17362..17439, 17448..17495, 17449..17496, 17568..17618, 17569..17616		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9
Gene No.	33230	Strand	-
Start	28157	End	30245
Name	OJ990627_42.9B05.C9.o6.np	Method	AAT/NAP

Start	28157	End	30245
GI	4835795	Score	77
Exons	28157..28186, 30117..30245		
GI Descrip.	(AC007296) F25C20.23 [Arabidopsis thaliana]		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9
Gene No.	33231	Strand	
Start	33635	End	35818
Name	OJ990627_42.9B05.C9.o1.tw	Method	TBLASTX:Wheat
Start	33635	End	34646
GI	none	Score	75
Exons	33635..33664, 33758..33820, 33765..33857, 33768..33857, 33971..34015, 33972..34016, 34518..34646, 34520..34645		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9
Gene No.	33231	Strand	
Start	33635	End	35818
Name	OJ990627_42.9B05.C9.o1.tm	Method	TBLASTX:Maize
Start	33768	End	35811
GI	none	Score	134
Exons	33768..33857, 33777..33857, 33971..34015, 33972..34016, 34515..34700, 34518..34700, 34520..34714, 34520..34714, 34769..34939, 34770..34943, 34773..34940, 34774..34977, 34774..34941, 35212..35421, 35217..35429, 35217..35423, 35498..35809, 35502..35810, 35502..35810, 35509..35811		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9
Gene No.	33231	Strand	
Start	33635	End	35818
Name	OJ990627_42.9B05.C9.o2.tc	Method	TBLASTX:Cress
Start	33771	End	35291
GI	none	Score	97
Exons	33771..33857, 33972..34016, 34518..34700, 34523..34699, 34773..34940, 34773..34940, 34774..34977, 35205..35291, 35217..35291		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9
Gene No.	33231	Strand	
Start	33635	End	35818
Name	OJ990627_42.9B05.C9.o1.ts	Method	TBLASTX:Soybean
Start	33777	End	35818
GI	none	Score	124
Exons	33777..33857, 34518..34700, 34520..34699, 34773..34925, 34773..34940, 34774..34977, 35205..35423, 35218..35418, 35219..35419, 35477..35809, 35493..35810, 35523..35810, 35527..35811, 35654..35818		

Seq. No.	15707	Seq. ID	OJ990627_42.9B05.C9
Gene No.	33231	Strand	
Start	33635	End	35818
Name	OJ990627_42.9B05.C9.o1.tc	Method	TBLASTX:Cress
Start	35491	End	35810
GI	none	Score	127
Exons	35491..35799, 35496..35801, 35516..35809, 35523..35810		

Seq. No.	15708	Seq. ID	OJ990627_42.9B05.C10
Gene No.	33232	Strand	-

Start	1	End	556
Name	OJ990627_42.9B05.C10.o1.np	Method	AAT/NAP
Start	1	End	556
GI	6330933	Score	223
Exons	1..81, 445..556		
GI Descrip.	(AB033085) KIAA1259 protein [Homo sapiens]		

Seq. No.	15708	Seq. ID	OJ990627_42.9B05.C10
Gene No.	33232	Strand	-
Start	1	End	556
Name	OJ990627_42.9B05.C10.o1.tm	Method	TBLASTX:Maize
Start	1	End	556
GI	none	Score	124
Exons	1..78, 2..82, 3..83, 437..556, 439..555		

Seq. No.	15709	Seq. ID	OJ990627_42.9B05.C12
Gene No.	33233	Strand	+
Start	1	End	2572
Name	OJ990627_42.9B05.C12.o1.np	Method	AAT/NAP
Start	1	End	2572
GI	6721512	Score	112
Exons	1..22, 816..956, 984..1083, 2502..2572		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	15709	Seq. ID	OJ990627_42.9B05.C12
Gene No.	33234	Strand	+
Start	2595	End	5443
Name	OJ990627_42.9B05.C12.o2.gs	Method	GENSCAN
Start	2595	End	3128
GI	none	Score	.92
Exons	2595..2838, 3028..3128		

Seq. No.	15709	Seq. ID	OJ990627_42.9B05.C12
Gene No.	33234	Strand	+
Start	2595	End	5443
Name	OJ990627_42.9B05.C12.o3.np	Method	AAT/NAP
Start	2741	End	5443
GI	3687460	Score	119
Exons	2741..2838, 3028..3139, 4193..4461, 5028..5164, 5423..5443		
GI Descrip.	(AL031798) leucine permease transcriptional regulator [Schizosaccharomyces pombe]		

Seq. No.	15709	Seq. ID	OJ990627_42.9B05.C12
Gene No.	33234	Strand	+
Start	2595	End	5443
Name	OJ990627_42.9B05.C12.o2.np	Method	AAT/NAP
Start	2810	End	5443
GI	6862933	Score	214
Exons	2810..2838, 3028..3149, 4212..4406, 4958..5165, 5302..5443		
GI Descrip.	(AC018907) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	15709	Seq. ID	OJ990627_42.9B05.C12
Gene No.	33235	Strand	-
Start	28	End	1271
Name	OJ990627_42.9B05.C12.o1.gs	Method	GENSCAN
Start	28	End	1271
GI	none	Score	.55

Exons	28..797, 820..893, 1075..1271		
Seq. No.	15709	Seq. ID	OJ990627_42.9B05.C12
Gene No.	33236	Strand	
Start	4956	End	5182
Name	OJ990627_42.9B05.C12.o1.tm	Method	TBLASTX:Maize
Start	4956	End	5182
GI	none	Score	210
Exons	4956..5177, 4958..5182, 4963..5178		
Seq. No.	15710	Seq. ID	OJ990627_42.9B05.C13
Gene No.	33237	Strand	-
Start	243	End	881
Name	OJ990627_42.9B05.C13.o1.np	Method	AAT/NAP
Start	243	End	881
GI	6735309	Score	358
Exons	243..506, 735..881		
GI Descrip.	(AL137080) helicase-like protein [Arabidopsis thaliana]		
Seq. No.	15710	Seq. ID	OJ990627_42.9B05.C13
Gene No.	33237	Strand	-
Start	243	End	881
Name	OJ990627_42.9B05.C13.o1.gs	Method	GENSCAN
Start	249	End	783
GI	none	Score	.93
Exons	249..506, 735..783		
Seq. No.	15711	Seq. ID	OJ990627_38.9B19.C1
Gene No.	33238	Strand	+
Start	68	End	1394
Name	OJ990627_38.9B19.C1.o1.gp	Method	AAT/GAP
Start	68	End	456
GI	25857_1.R1084	Score	573
Exons	68..183, 263..456		
GI Descrip.	'1621495/dbj\|BAA12903\| 4.0e-35 (D85877) reverse transcriptase [Oryza sativa]'		
Seq. No.	15711	Seq. ID	OJ990627_38.9B19.C1
Gene No.	33238	Strand	+
Start	68	End	1394
Name	OJ990627_38.9B19.C1.o2.tm	Method	TBLASTX:Maize
Start	68	End	392
GI	none	Score	125
Exons	68..178, 69..179, 69..182, 261..392, 262..390		
Seq. No.	15711	Seq. ID	OJ990627_38.9B19.C1
Gene No.	33238	Strand	+
Start	68	End	1394
Name	OJ990627_38.9B19.C1.o1.gs	Method	GENSCAN
Start	105	End	1389
GI	none	Score	.81
Exons	105..183, 821..1389		
Seq. No.	15711	Seq. ID	OJ990627_38.9B19.C1
Gene No.	33238	Strand	+
Start	68	End	1394
Name	OJ990627_38.9B19.C1.o1.tm	Method	TBLASTX:Maize

Start	393	End	1394
GI	none	Score	80
Exons	393..563, 398..478, 487..567, 498..563, 641..706, 642..707, 658..708, 685..723, 816..857, 820..867, 937..1185, 1104..1166, 1180..1389, 1216..1386, 1224..1394		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33239	Strand	+
Start	10875	End	11776
Name	OJ990627_38.9B19.C2.o2.gp	Method	AAT/GAP
Start	10875	End	11776
GI	209_2.R1084	Score	1514
Exons	10875..10922, 10998..11776		
GI Descrip.	'169805 2.0e-63 (L12252) [Oryza sativa DNA fragment with a miscellaneous signal and an open reading frame.], gene product [Oryza sativa]'		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33240	Strand	+
Start	17401	End	18991
Name	OJ990627_38.9B19.C2.o5.gp	Method	AAT/GAP
Start	17319	End	18991
GI	563_1.R1084	Score	2586
Exons	17319..17607, 17730..17918, 18032..18194, 18290..18991		
GI Descrip.	'585661/sp\|P37834\|PER1_ORYSA 1.0e-169 PEROXIDASE PRECURSOR >gi_287401_dbj_BAA03644_ (D14997) peroxidase [Oryza sativa]'		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33240	Strand	+
Start	17401	End	18991
Name	OJ990627_38.9B19.C2.o3.np	Method	AAT/NAP
Start	17401	End	18708
GI	585661	Score	1590
Exons	17401..17607, 17730..17918, 18032..18194, 18290..18708		
GI Descrip.	PEROXIDASE PRECURSOR gi\|287401\|dbj\|BAA03644\| (D14997) peroxidase [Oryza sativa]		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33240	Strand	+
Start	17401	End	18991
Name	OJ990627_38.9B19.C2.o5.gs	Method	GENSCAN
Start	17401	End	18711
GI	none	Score	.88
Exons	17401..17607, 17730..17918, 18032..18194, 18290..18711		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33241	Strand	+
Start	19454	End	22806
Name	OJ990627_38.9B19.C2.o6.gs	Method	GENSCAN
Start	19454	End	22806
GI	none	Score	.73
Exons	19454..19528, 21371..21718, 21795..21980, 22064..22229, 22355..22806		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33241	Strand	+
Start	19454	End	22806

Name	OJ990627_38.9B19.C2.o5.np	Method	AAT/NAP
Start	21473	End	22800
GI	575605	Score	475
Exons	21473..21718, 21795..21980, 22061..22229, 22355..22482, 22519..22800		
GI Descrip.	(D42065) cationic peroxidase isozyme 40K precursor [Nicotiana tabacum]		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33241	Strand	+
Start	19454	End	22806
Name	OJ990627_38.9B19.C2.o4.np	Method	AAT/NAP
Start	21485	End	22800
GI	5381255	Score	412
Exons	21485..21718, 21795..21980, 22064..22229, 22355..22483, 22520..22800		
GI Descrip.	(AB027753) peroxidase [Nicotiana tabacum]		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33241	Strand	+
Start	19454	End	22806
Name	OJ990627_38.9B19.C2.o6.np	Method	AAT/NAP
Start	21512	End	22800
GI	585661	Score	597
Exons	21512..21718, 21795..21980, 22064..22229, 22355..22507, 22543..22800		
GI Descrip.	PEROXIDASE PRECURSOR gi\|287401\|dbj\|BAA03644\| (D14997) peroxidase [Oryza sativa]		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33242	Strand	+
Start	29038	End	30610
Name	OJ990627_38.9B19.C2.o9.gs	Method	GENSCAN
Start	29038	End	30610
GI	none	Score	.82
Exons	29038..29979, 30036..30236, 30431..30610		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33243	Strand	+
Start	40248	End	41702
Name	OJ990627_38.9B19.C2.o9.gp	Method	AAT/GAP
Start	39946	End	40385
GI	none	Score	749
Exons	39946..40385		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33243	Strand	+
Start	40248	End	41702
Name	OJ990627_38.9B19.C2.o12.gs	Method	GENSCAN
Start	40248	End	41702
GI	none	Score	.59
Exons	40248..41702		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33243	Strand	+
Start	40248	End	41702
Name	OJ990627_38.9B19.C2.o9.np	Method	AAT/NAP

Start	40248	End	41681
GI	5918023	Score	549
Exons	40248..41681		
GI Descrip.	(Y18871) betanidin-5-O-glucosyltransferase [Dorotheanthus bellidiformis]		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33243	Strand	+
Start	40248	End	41702
Name	OJ990627_38.9B19.C2.o10.gp	Method	AAT/GAP
Start	40941	End	41335
GI	LIB3433-024-P1-K1-G8	Score	718
Exons	40941..41335		
GI Descrip.	'1359905/emb\|CAA59450\| 5.0e-25 (X85138) homologous to glucosyltransferases [Lycopersicon esculentum]'		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33244	Strand	+
Start	41742	End	41953
Name	OJ990627_38.9B19.C2.o11.gp	Method	AAT/GAP
Start	41742	End	41953
GI	101550_1.R1084	Score	260
Exons	41742..41953		
GI Descrip.	'1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33245	Strand	+
Start	45812	End	47277
Name	OJ990627_38.9B19.C2.o14.gs	Method	GENSCAN
Start	45812	End	47277
GI	none	Score	.81
Exons	45812..46756, 46846..47277		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33246	Strand	+
Start	50260	End	52488
Name	OJ990627_38.9B19.C2.o10.np	Method	AAT/NAP
Start	49185	End	52488
GI	6587848	Score	226
Exons	49185..49227, 51009..51365, 52456..52488		
GI Descrip.	(AC006551) Putative UDP-glucose glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33246	Strand	+
Start	50260	End	52488
Name	OJ990627_38.9B19.C2.o15.gs	Method	GENSCAN
Start	50260	End	51421
GI	none	Score	.87
Exons	50260..50781, 50849..51008, 51131..51157, 51270..51421		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33247	Strand	-
Start	3473	End	9991
Name	OJ990627_38.9B19.C2.o1.np	Method	AAT/NAP
Start	3449	End	5120

GI	6642658	Score	931
Exons	3449..3787, 3959..4350, 4441..4630, 4798..5120		
GI Descrip.	(AC012395) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33247	Strand	-
Start	3473	End	9991
Name	OJ990627_38.9B19.C2.o2.gs	Method	GENSCAN
Start	3473	End	9991
GI	none	Score	.76
Exons	3473..3832, 3959..4350, 4441..4630, 4798..4979, 5357..5859, 6856..6923, 7249..7371, 8038..8192, 9009..9247, 9317..9451, 9497..9783, 9836..9991		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33247	Strand	-
Start	3473	End	9991
Name	OJ990627_38.9B19.C2.o1.gp	Method	AAT/GAP
Start	7127	End	7553
GI	4878407	Score	680
Exons	7127..7553		
GI Descrip.	6069643/dbj\|AP000616.1\|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33248	Strand	-
Start	11151	End	11711
Name	OJ990627_38.9B19.C2.o3.gs	Method	GENSCAN
Start	11151	End	11711
GI	none	Score	.99
Exons	11151..11711		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33248	Strand	-
Start	11151	End	11711
Name	OJ990627_38.9B19.C2.o2.np	Method	AAT/NAP
Start	11154	End	11711
GI	2130065	Score	968
Exons	11154..11711		
GI Descrip.	alpha-globulin precursor - rice gi\|1783206\|dbj\|BAA09308\| (D50643) 26 kDa globulin [Oryza sativa]		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33249	Strand	-
Start	13612	End	13712
Name	OJ990627_38.9B19.C2.o4.gp	Method	AAT/GAP
Start	13612	End	13712
GI	39123_1.R1084	Score	141
Exons	13612..13712		
GI Descrip.	'3378493/emb\|CAA07567\| 2.0e-21 (AJ007579) cysteine proteinase [Ribes nigrum]'		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33250	Strand	-
Start	21783	End	23024
Name	OJ990627_38.9B19.C2.o6.gp	Method	AAT/GAP
Start	21783	End	23024

GI	2800190	Score	821
Exons	21783..21901, 22656..23024		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33251	Strand	-
Start	23232	End	29223
Name	OJ990627_38.9B19.C2.o7.gs	Method	GENSCAN
Start	23232	End	25250
GI	none	Score	.89
Exons	23232..23320, 23601..23637, 23768..23879, 23965..24065, 24971..25075, 25173..25250		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33251	Strand	-
Start	23232	End	29223
Name	OJ990627_38.9B19.C2.o7.np	Method	AAT/NAP
Start	23521	End	29223
GI	3831462	Score	388
Exons	23521..23670, 23708..23879, 23965..24065, 24971..25075, 26078..26125, 26806..26950, 29018..29223		
GI Descrip.	(AC005700) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33251	Strand	-
Start	23232	End	29223
Name	OJ990627_38.9B19.C2.o8.gs	Method	GENSCAN
Start	26980	End	27243
GI	none	Score	.83
Exons	26980..27243		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33252	Strand	-
Start	31510	End	32535
Name	OJ990627_38.9B19.C2.o10.gs	Method	GENSCAN
Start	31510	End	32535
GI	none	Score	.57
Exons	31510..32253, 32281..32535		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33253	Strand	-
Start	33089	End	38631
Name	OJ990627_38.9B19.C2.o11.gs	Method	GENSCAN
Start	33089	End	38631
GI	none	Score	.42
Exons	33089..33382, 33431..33521, 34120..34210, 35081..35303, 35689..36042, 36121..36315, 36584..36685, 36922..37089, 37175..37541, 38000..38243, 38391..38631		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33253	Strand	-
Start	33089	End	38631
Name	OJ990627_38.9B19.C2.o8.gp	Method	AAT/GAP
Start	36261	End	37502
GI	LIB3433-020-P1-K1-A6	Score	678
Exons	36261..36639, 37460..37502		
GI Descrip.	'5670155/gb\|AF161269.1\|AF161269 2.0e-35 Oryza sativa subsp. japonica BAC clone 34K24, complete sequence'		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33253	Strand	-
Start	33089	End	38631
Name	OJ990627_38.9B19.C2.o8.np	Method	AAT/NAP
Start	37687	End	38520
GI	5441880	Score	947
Exons	37687..38520		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33254	Strand	-
Start	43604	End	51367
Name	OJ990627_38.9B19.C2.o8.tm	Method	TBLASTX:Maize
Start	3587	End	3797
GI	none	Score	124
Exons	3587..3787, 3590..3784, 3609..3797, 3615..3788		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33254	Strand	-
Start	43604	End	51367
Name	OJ990627_38.9B19.C2.o1.ts	Method	TBLASTX:Soybean
Start	3593	End	4923
GI	none	Score	122
Exons	3593..3787, 3609..3797, 3944..4351, 3966..4352, 4445..4633, 4446..4625, 4786..4923		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33254	Strand	-
Start	43604	End	51367
Name	OJ990627_38.9B19.C2.o1.tc	Method	TBLASTX:Cress
Start	3620	End	4914
GI	none	Score	203
Exons	3620..3787, 3953..4258, 3954..4247, 4262..4336, 4445..4621, 4445..4630, 4804..4914		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33254	Strand	-
Start	43604	End	51367
Name	OJ990627_38.9B19.C2.o2.tw	Method	TBLASTX:Wheat
Start	3941	End	4327
GI	none	Score	217
Exons	3941..4258, 3966..4235, 4254..4322, 4265..4327		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33254	Strand	-
Start	43604	End	51367
Name	OJ990627_38.9B19.C2.o1.tm	Method	TBLASTX:Maize
Start	3953	End	4962
GI	none	Score	473
Exons	3953..4351, 3954..4352, 4436..4633, 4443..4631, 4445..4633, 4471..4635, 4786..4962		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33254	Strand	-

Start	43604	End	51367
Name	OJ990627_38.9B19.C2.o9.tm	Method	TBLASTX:Maize
Start	11160	End	11625
GI	none	Score	52
Exons	11160..11192, 11162..11191, 11181..11264, 11194..11265, 11394..11495, 11395..11496, 11452..11625, 11538..11624		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33254	Strand	-
Start	43604	End	51367
Name	OJ990627_38.9B19.C2.o5.ts	Method	TBLASTX:Soybean
Start	11389	End	11625
GI	none	Score	124
Exons	11389..11463, 11394..11495, 11395..11496, 11538..11624, 11539..11625		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33254	Strand	-
Start	43604	End	51367
Name	OJ990627_38.9B19.C2.o4.ts	Method	TBLASTX:Soybean
Start	12909	End	13706
GI	none	Score	62
Exons	12909..13007, 12994..13053, 13108..13161, 13112..13180, 13269..13319, 13277..13537, 13317..13367, 13458..13538, 13544..13660, 13570..13659, 13665..13706		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33254	Strand	-
Start	43604	End	51367
Name	OJ990627_38.9B19.C2.o4.tc	Method	TBLASTX:Cress
Start	12994	End	13718
GI	none	Score	61
Exons	12994..13059, 13008..13058, 13100..13180, 13111..13179, 13268..13309, 13269..13310, 13317..13538, 13487..13660, 13570..13659, 13674..13718		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33254	Strand	-
Start	43604	End	51367
Name	OJ990627_38.9B19.C2.o5.tw	Method	TBLASTX:Wheat
Start	13094	End	39784
GI	none	Score	95
Exons	13094..13180, 13103..13168, 13108..13185, 13268..13309, 13269..13316, 13272..13319, 13317..13391, 13317..13385, 13403..13438, 39692..39784		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33254	Strand	-
Start	43604	End	51367
Name	OJ990627_38.9B19.C2.o7.tm	Method	TBLASTX:Maize
Start	13115	End	13708
GI	none	Score	80
Exons	13115..13180, 13269..13316, 13317..13553, 13329..13385, 13379..13468, 13541..13630, 13547..13657, 13670..13708, 13671..13706		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2

Gene No.	33254	Strand	-
Start	43604	End	51367
Name	OJ990627_38.9B19.C2.o2.ts	Method	TBLASTX:Soybean
Start	17467	End	22788
GI	none	Score	52
Exons	17467..17526, 17578..17607, 17724..17768, 17748..17912, 17774..17875, 18002..18097, 18083..18187, 18286..18354, 18439..18612, 18453..18569, 18582..18689, 18595..18708, 21581..21718, 21786..21974, 22070..22237, 22320..22439, 22351..22470, 22540..22689, 22548..22655, 22690..22788		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33254	Strand	-
Start	43604	End	51367
Name	OJ990627_38.9B19.C2.o2.tc	Method	TBLASTX:Cress
Start	17470	End	22788
GI	none	Score	101
Exons	17470..17607, 17496..17606, 17724..17768, 17748..17921, 18037..18102, 18038..18097, 18100..18195, 18107..18187, 18286..18354, 18370..18450, 18436..18588, 18456..18545, 18610..18711, 18618..18713, 21581..21718, 21604..21714, 21786..21983, 21794..21937, 22070..22231, 22351..22485, 22549..22680, 22711..22788		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33254	Strand	-
Start	43604	End	51367
Name	OJ990627_38.9B19.C2.o10.tm	Method	TBLASTX:Maize
Start	17481	End	21824
GI	none	Score	73
Exons	17481..17603, 17482..17607, 21474..21509, 21575..21718, 21578..21718, 21785..21823, 21786..21824		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33254	Strand	-
Start	43604	End	51367
Name	OJ990627_38.9B19.C2.o1.tw	Method	TBLASTX:Wheat
Start	17578	End	22141
GI	none	Score	55
Exons	17578..17607, 17685..17918, 17724..17759, 17772..17918, 18014..18091, 18031..18108, 21610..21717, 21629..21718, 21638..21718, 21667..21720, 21684..21761, 21786..21980, 21794..21937, 21867..21998, 22064..22141, 22064..22120		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33254	Strand	-
Start	43604	End	51367
Name	OJ990627_38.9B19.C2.o2.tm	Method	TBLASTX:Maize
Start	17684	End	22779
GI	none	Score	247
Exons	17684..17875, 17721..17921, 18037..18102, 18038..18097, 18100..18195, 18101..18184, 18286..18570, 18297..18488, 18403..18537, 18504..18551, 18603..18707, 18610..18708, 18637..18711, 21834..21983, 22070..22237, 22351..22434, 22417..22479, 22539..22628, 22543..22686, 22726..22779		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2

Gene No.	33254	Strand	-
Start	43604	End	51367
Name	OJ990627_38.9B19.C2.o6.tm	Method	TBLASTX:Maize
Start	24210	End	26914
GI	none	Score	89
Exons	24210..24317, 24213..24281, 24214..24330, 24215..24328, 24968..25081, 24972..25076, 24973..25077, 25122..25262, 25170..25259, 25172..25261, 25871..25933, 25872..25934, 25874..25936, 26066..26140, 26072..26125, 26813..26914, 26815..26913		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33254	Strand	-
Start	43604	End	51367
Name	OJ990627_38.9B19.C2.o3.tm	Method	TBLASTX:Maize
Start	29034	End	50661
GI	none	Score	475
Exons	29034..29435, 29035..29436, 40247..40645, 40248..40643, 40352..40645, 45811..46209, 45812..46207, 50259..50582, 50260..50529, 50548..50661, 50548..50661		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33254	Strand	-
Start	43604	End	51367
Name	OJ990627_38.9B19.C2.o4.tw	Method	TBLASTX:Wheat
Start	29037	End	50592
GI	none	Score	305
Exons	29037..29315, 29044..29316, 29308..29364, 29313..29366, 40265..40564, 40266..40526, 45829..46089, 45830..46090, 46082..46138, 50248..50592, 50271..50591		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33254	Strand	-
Start	43604	End	51367
Name	OJ990627_38.9B19.C2.o5.tm	Method	TBLASTX:Maize
Start	29449	End	51070
GI	none	Score	88
Exons	29449..29517, 29449..29493, 29451..29516, 29583..29636, 29584..29685, 29587..29658, 29688..29891, 29692..29892, 40659..40790, 40661..40789, 40787..40837, 40788..40856, 40863..41099, 40896..41099, 46361..46429, 46439..46669, 46465..46668, 46466..46669, 50674..50751, 50676..50762, 50876..50965, 50876..50977, 51005..51070, 51020..51070		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33254	Strand	-
Start	43604	End	51367
Name	OJ990627_38.9B19.C2.o3.ts	Method	TBLASTX:Soybean
Start	29695	End	51366
GI	none	Score	38
Exons	29695..29760, 29818..29901, 30034..30156, 40875..40952, 41028..41192, 41060..41191, 41244..41447, 41246..41446, 46457..46522, 46604..46762, 46609..46761, 46813..47016, 46833..47015, 50879..50941, 51019..51162, 51020..51163, 51212..51364, 51214..51366		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2

Gene No.	33254	Strand	-
Start	43604	End	51367
Name	OJ990627_38.9B19.C2.o3.tc	Method	TBLASTX:Cress
Start	29833	End	51364
GI	none	Score	76
Exons	29833..29901, 30004..30156, 40986..41210, 41058..41150, 41213..41458, 41214..41432, 46610..46780, 46833..47024, 46834..47001, 51020..51166, 51181..51363, 51182..51364		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33254	Strand	-
Start	43604	End	51367
Name	OJ990627_38.9B19.C2.o3.tw	Method	TBLASTX:Wheat
Start	29926	End	51367
GI	none	Score	213
Exons	29926..30066, 29966..30070, 29967..30155, 29968..30156, 30163..30234, 30165..30221, 41133..41192, 41186..41470, 41199..41471, 46703..46762, 46756..46818, 46769..46825, 46813..47040, 46815..47039, 51104..51364, 51104..51175, 51115..51366, 51233..51367		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33254	Strand	-
Start	43604	End	51367
Name	OJ990627_38.9B19.C2.o4.tm	Method	TBLASTX:Maize
Start	30082	End	51365
GI	none	Score	95
Exons	30082..30156, 30084..30185, 30121..30234, 30163..30207, 30165..30218, 30219..30449, 30240..30449, 32311..32526, 41291..41674, 41292..41675, 46860..47189, 46861..47226, 47092..47220, 51259..51360, 51260..51364, 51264..51365		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33254	Strand	-
Start	43604	End	51367
Name	OJ990627_38.9B19.C2.o6.tw	Method	TBLASTX:Wheat
Start	37268	End	37450
GI	none	Score	108
Exons	37268..37387, 37269..37388, 37386..37448, 37397..37450		

Seq. No.	15712	Seq. ID	OJ990627_38.9B19.C2
Gene No.	33254	Strand	-
Start	43604	End	51367
Name	OJ990627_38.9B19.C2.o13.gs	Method	GENSCAN
Start	43604	End	43735
GI	none	Score	.87
Exons	43604..43735		

Seq. No.	15713	Seq. ID	OJ990627_38.9B19.C3
Gene No.	33255	Strand	+
Start	8657	End	11269
Name	OJ990627_38.9B19.C3.o4.gs	Method	GENSCAN
Start	8657	End	11269
GI	none	Score	.7
Exons	8657..8990, 9866..10095, 10598..10657, 11177..11269		

Seq. No.	15713	Seq. ID	OJ990627_38.9B19.C3

Gene No.	33256	Strand	+
Start	12634	End	13905
Name	OJ990627_38.9B19.C3.o5.gs	Method	GENSCAN
Start	12634	End	13905
GI	none	Score	.63
Exons	12634..13905		

Seq. No.	15713	Seq. ID	OJ990627_38.9B19.C3
Gene No.	33256	Strand	+
Start	12634	End	13905
Name	OJ990627_38.9B19.C3.o1.np	Method	AAT/NAP
Start	12653	End	13902
GI	6522916	Score	664
Exons	12653..13296, 13330..13902		
GI Descrip.	(AL132978) putative protein [Arabidopsis thaliana]		

Seq. No.	15713	Seq. ID	OJ990627_38.9B19.C3
Gene No.	33257	Strand	+
Start	14442	End	15143
Name	OJ990627_38.9B19.C3.o2.np	Method	AAT/NAP
Start	14442	End	15131
GI	4678200	Score	332
Exons	14442..15131		
GI Descrip.	(AC007134) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	15713	Seq. ID	OJ990627_38.9B19.C3
Gene No.	33257	Strand	+
Start	14442	End	15143
Name	OJ990627_38.9B19.C3.o6.gs	Method	GENSCAN
Start	14442	End	15143
GI	none	Score	.89
Exons	14442..15143		

Seq. No.	15713	Seq. ID	OJ990627_38.9B19.C3
Gene No.	33258	Strand	-
Start	1668	End	2917
Name	OJ990627_38.9B19.C3.o1.gs	Method	GENSCAN
Start	1668	End	2917
GI	none	Score	.63
Exons	1668..1715, 2350..2594, 2609..2743, 2785..2917		

Seq. No.	15713	Seq. ID	OJ990627_38.9B19.C3
Gene No.	33259	Strand	-
Start	4933	End	6006
Name	OJ990627_38.9B19.C3.o2.gs	Method	GENSCAN
Start	4933	End	5955
GI	none	Score	1
Exons	4933..5955		

Seq. No.	15713	Seq. ID	OJ990627_38.9B19.C3
Gene No.	33259	Strand	-
Start	4933	End	6006
Name	OJ990627_38.9B19.C3.o1.gp	Method	AAT/GAP
Start	5724	End	6006
GI	702086	Score	520
Exons	5724..6006		

Seq. No.	15713	Seq. ID	OJ990627_38.9B19.C3
Gene No.	33260	Strand	-
Start	6483	End	6542
Name	OJ990627_38.9B19.C3.o2.gp	Method	AAT/GAP
Start	6483	End	6542
GI	2312838	Score	75
Exons	6483..6542		
GI Descrip.	1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	15713	Seq. ID	OJ990627_38.9B19.C3
Gene No.	33261	Strand	-
Start	7885	End	8184
Name	OJ990627_38.9B19.C3.o2.tm	Method	TBLASTX:Maize
Start	4886	End	5112
GI	none	Score	99
Exons	4886..5035, 4887..5039, 4926..5039, 4945..5112, 4958..5095		

Seq. No.	15713	Seq. ID	OJ990627_38.9B19.C3
Gene No.	33261	Strand	-
Start	7885	End	8184
Name	OJ990627_38.9B19.C3.o4.ts	Method	TBLASTX:Soybean
Start	7846	End	8056
GI	none	Score	84
Exons	7846..8055, 7885..7989, 7979..8056		

Seq. No.	15713	Seq. ID	OJ990627_38.9B19.C3
Gene No.	33261	Strand	-
Start	7885	End	8184
Name	OJ990627_38.9B19.C3.o2.tc	Method	TBLASTX:Cress
Start	7885	End	8050
GI	none	Score	83
Exons	7885..8037, 7885..8037, 7886..8050		

Seq. No.	15713	Seq. ID	OJ990627_38.9B19.C3
Gene No.	33261	Strand	-
Start	7885	End	8184
Name	OJ990627_38.9B19.C3.o3.gs	Method	GENSCAN
Start	7885	End	8184
GI	none	Score	.98
Exons	7885..8184		

Seq. No.	15713	Seq. ID	OJ990627_38.9B19.C3
Gene No.	33262	Strand	
Start	8488	End	10113
Name	OJ990627_38.9B19.C3.o1.tm	Method	TBLASTX:Maize
Start	8488	End	10052
GI	none	Score	52
Exons	8488..8526, 8645..8704, 8650..8703, 8689..8760, 8690..8761, 8699..8761, 8804..8923, 8816..8938, 8821..8943, 8900..8992, 8918..8992, 9849..9917, 9865..9900, 9901..9933, 9987..10052, 9991..10050		

Seq. No.	15713	Seq. ID	OJ990627_38.9B19.C3
Gene No.	33262	Strand	
Start	8488	End	10113
Name	OJ990627_38.9B19.C3.o1.tc	Method	TBLASTX:Cress

Start	8807	End	10113
GI	none	Score	228
Exons	8807..8959, 8816..8989, 9987..10049, 9991..10113		

Seq. No.	15713	Seq. ID	OJ990627_38.9B19.C3
Gene No.	33262	Strand	
Start	8488	End	10113
Name	OJ990627_38.9B19.C3.o2.ts	Method	TBLASTX:Soybean
Start	8816	End	9006
GI	none	Score	229
Exons	8816..9001, 8825..8905, 8935..9006		

Seq. No.	15713	Seq. ID	OJ990627_38.9B19.C3
Gene No.	33263	Strand	
Start	12978	End	13299
Name	OJ990627_38.9B19.C3.o1.ts	Method	TBLASTX:Soybean
Start	12978	End	13299
GI	4292932	Score	362
Exons	12978..13028, 12979..13299, 13083..13295		
GI Descrip.	4468990/emb_CAB38304_ 5.0e-15 (AL035605) putative protein [Arabidopsis thaliana]		

Seq. No.	15713	Seq. ID	OJ990627_38.9B19.C3
Gene No.	33264	Strand	
Start	14766	End	15004
Name	OJ990627_38.9B19.C3.o3.ts	Method	TBLASTX:Soybean
Start	14766	End	15004
GI	none	Score	164
Exons	14766..14903, 14772..14849, 14807..14899, 14912..15004, 14913..15002		

Seq. No.	15714	Seq. ID	OJ990627_38.9B19.C4
Gene No.	33265	Strand	+
Start	894	End	1905
Name	OJ990627_38.9B19.C4.o1.gs	Method	GENSCAN
Start	894	End	1905
GI	none	Score	.68
Exons	894..1040, 1554..1727, 1774..1905		

Seq. No.	15714	Seq. ID	OJ990627_38.9B19.C4
Gene No.	33266	Strand	+
Start	3226	End	5718
Name	OJ990627_38.9B19.C4.o2.gs	Method	GENSCAN
Start	3226	End	5718
GI	none	Score	.51
Exons	3226..3340, 4203..4371, 5025..5193, 5572..5718		

Seq. No.	15715	Seq. ID	OJ990627_38.9B19.C5
Gene No.	33267	Strand	+
Start	1	End	598
Name	OJ990627_38.9B19.C5.o1.np	Method	AAT/NAP
Start	1	End	598
GI	4680203	Score	212
Exons	1..400, 569..598		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	15715	Seq. ID	OJ990627_38.9B19.C5

Gene No.	33267	Strand	+
Start	1	End	598
Name	OJ990627_38.9B19.C5.o1.tw	Method	TBLASTX:Wheat
Start	8	End	305
GI	none	Score	54
Exons	8..79, 9..95, 83..202, 90..188, 204..305, 206..298		

Seq. No.	15715	Seq. ID	OJ990627_38.9B19.C5
Gene No.	33267	Strand	+
Start	1	End	598
Name	OJ990627_38.9B19.C5.o1.gs	Method	GENSCAN
Start	24	End	506
GI	none	Score	.8
Exons	24..506		

Seq. No.	15715	Seq. ID	OJ990627_38.9B19.C5
Gene No.	33267	Strand	+
Start	1	End	598
Name	OJ990627_38.9B19.C5.o1.ts	Method	TBLASTX:Soybean
Start	152	End	365
GI	none	Score	184
Exons	152..334, 153..365		

Seq. No.	15716	Seq. ID	OJ990627_38.9B19.C7
Gene No.	33268	Strand	-
Start	667	End	2129
Name	OJ990627_38.9B19.C7.o1.gs	Method	GENSCAN
Start	667	End	1391
GI	none	Score	.55
Exons	667..797, 860..928, 1142..1391		

Seq. No.	15716	Seq. ID	OJ990627_38.9B19.C7
Gene No.	33268	Strand	-
Start	667	End	2129
Name	OJ990627_38.9B19.C7.o1.np	Method	AAT/NAP
Start	670	End	2129
GI	6815052	Score	396
Exons	670..790, 1083..1152, 1234..1421, 2078..2129		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	15717	Seq. ID	OJ990627_38.9B19.C10
Gene No.	33269	Strand	+
Start	4701	End	5498
Name	OJ990627_38.9B19.C10.o2.gs	Method	GENSCAN
Start	4701	End	5498
GI	none	Score	.95
Exons	4701..4852, 5063..5498		

Seq. No.	15717	Seq. ID	OJ990627_38.9B19.C10
Gene No.	33270	Strand	-
Start	643	End	2720
Name	OJ990627_38.9B19.C10.o1.gs	Method	GENSCAN
Start	643	End	2720
GI	none	Score	.95
Exons	643..966, 2718..2720		

Seq. No.	15718	Seq. ID	OJ990627_38.9B19.C12

Gene No.	33271	Strand	+
Start	309	End	429
Name	OJ990627_38.9B19.C12.o1.gs	Method	GENSCAN
Start	309	End	429
GI	none	Score	.89
Exons	309..429		

Seq. No.	15719	Seq. ID	OJ990627_38.9B19.C13
Gene No.	33272	Strand	+
Start	389	End	493
Name	OJ990627_38.9B19.C13.o1.gs	Method	GENSCAN
Start	389	End	493
GI	none	Score	.88
Exons	389..493		

Seq. No.	15720	Seq. ID	OJ990627_38.9B19.C14
Gene No.	33273	Strand	+
Start	467	End	787
Name	OJ990627_38.9B19.C14.o1.gp	Method	AAT/GAP
Start	467	End	787
GI	39479_1.R1084	Score	605
Exons	467..787		
GI Descrip.	'629688/pir\|\|S46210 1.0e-23 dehydroquinase shikimate dehydrogenase - Common tobacco >gi_535771 (L32794) dehydroquinate dehydratase/shikimate dehydrogenase [Nicotiana tabacum]'		

Seq. No.	15721	Seq. ID	OJ990627_38.9B19.C15
Gene No.	33274	Strand	+
Start	82	End	266
Name	OJ990627_38.9B19.C15.o1.gp	Method	AAT/GAP
Start	82	End	266
GI	39479_1.R1084	Score	246
Exons	82..266		
GI Descrip.	'629688/pir\|\|S46210 1.0e-23 dehydroquinase shikimate dehydrogenase - Common tobacco >gi_535771 (L32794) dehydroquinate dehydratase/shikimate dehydrogenase [Nicotiana tabacum]'		

Seq. No.	15721	Seq. ID	OJ990627_38.9B19.C15
Gene No.	33275	Strand	-
Start	1	End	282
Name	OJ990627_38.9B19.C15.o1.np	Method	AAT/NAP
Start	1	End	265
GI	629688	Score	78
Exons	1..265		
GI Descrip.	dehydroquinase shikimate dehydrogenase - Common tobacco gi\|535771 (L32794) dehydroquinate dehydratase/shikimate dehydrogenase [Nicotiana tabacum]		

Seq. No.	15721	Seq. ID	OJ990627_38.9B19.C15
Gene No.	33275	Strand	-
Start	1	End	282
Name	OJ990627_38.9B19.C15.o1.tm	Method	TBLASTX:Maize
Start	104	End	282
GI	none	Score	139
Exons	104..217, 107..211, 109..282, 112..249		

Seq. No.	15722	Seq. ID	OJ990627_38.9B19.C17
Gene No.	33276	Strand	+
Start	1	End	566
Name	OJ990627_38.9B19.C17.o1.np	Method	AAT/NAP
Start	1	End	566
GI	1707007	Score	591
Exons	1..566		
GI Descrip.	(U78721) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	15722	Seq. ID	OJ990627_38.9B19.C17
Gene No.	33276	Strand	+
Start	1	End	566
Name	OJ990627_38.9B19.C17.o1.tw	Method	TBLASTX:Wheat
Start	1	End	561
GI	none	Score	194
Exons	1..345, 93..155, 100..189, 232..561, 273..557		

Seq. No.	15722	Seq. ID	OJ990627_38.9B19.C17
Gene No.	33276	Strand	+
Start	1	End	566
Name	OJ990627_38.9B19.C17.o1.tm	Method	TBLASTX:Maize
Start	1	End	561
GI	none	Score	115
Exons	1..168, 52..294, 70..216, 94..477, 105..173, 117..476, 361..558, 415..561		

Seq. No.	15722	Seq. ID	OJ990627_38.9B19.C17
Gene No.	33276	Strand	+
Start	1	End	566
Name	OJ990627_38.9B19.C17.o1.tc	Method	TBLASTX:Cress
Start	4	End	564
GI	none	Score	170
Exons	4..273, 22..273, 100..264, 151..561, 177..308, 280..564, 366..557		

Seq. No.	15722	Seq. ID	OJ990627_38.9B19.C17
Gene No.	33276	Strand	+
Start	1	End	566
Name	OJ990627_38.9B19.C17.o1.ts	Method	TBLASTX:Soybean
Start	31	End	561
GI	none	Score	207
Exons	31..333, 33..332, 265..561		

Seq. No.	15723	Seq. ID	OJ990627_38.9B19.C18
Gene No.	33277	Strand	+
Start	3	End	493
Name	OJ990627_38.9B19.C18.o1.gs	Method	GENSCAN
Start	3	End	493
GI	none	Score	.73
Exons	3..275, 296..493		

Seq. No.	15724	Seq. ID	OJ990627_38.9B19.C19
Gene No.	33278	Strand	-
Start	284	End	415
Name	OJ990627_38.9B19.C19.o1.gs	Method	GENSCAN
Start	284	End	415

GI	none	Score	.99
Exons	284..415		

Seq. No.	15725	Seq. ID	OJ990627_38.9B19.C20
Gene No.	33279	Strand	+
Start	354	End	657
Name	OJ990627_38.9B19.C20.o1.gs	Method	GENSCAN
Start	354	End	657
GI	none	Score	.58
Exons	354..458, 544..657		

Seq. No.	15726	Seq. ID	OJ990627_38.9B19.C21
Gene No.	33280	Strand	+
Start	335	End	487
Name	OJ990627_38.9B19.C21.o2.gp	Method	AAT/GAP
Start	335	End	487
GI	jC-osleLIB3474037g11a1	Score	291
Exons	335..487		
GI Descrip.	'5852182/emb\|CAB55420.1\| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]'		

Seq. No.	15726	Seq. ID	OJ990627_38.9B19.C21
Gene No.	33281	Strand	+
Start	417	End	580
Name	OJ990627_38.9B19.C21.o1.gp	Method	AAT/GAP
Start	417	End	580
GI	none	Score	294
Exons	417..580		

Seq. No.	15726	Seq. ID	OJ990627_38.9B19.C21
Gene No.	33282	Strand	-
Start	193	End	255
Name	OJ990627_38.9B19.C21.o4.gp	Method	AAT/GAP
Start	193	End	255
GI	none	Score	122
Exons	193..255		

Seq. No.	15727	Seq. ID	OJ990627_38.9B19.C25
Gene No.	33283	Strand	+
Start	204	End	393
Name	OJ990627_38.9B19.C25.o1.gs	Method	GENSCAN
Start	204	End	393
GI	none	Score	.59
Exons	204..393		

Seq. No.	15728	Seq. ID	OJ990627_38.9B19.C26
Gene No.	33284	Strand	-
Start	356	End	865
Name	OJ990627_38.9B19.C26.o1.gs	Method	GENSCAN
Start	356	End	865
GI	none	Score	.44
Exons	356..444, 712..865		

Seq. No.	15729	Seq. ID	OJ990627_38.9B19.C28
Gene No.	33285	Strand	+
Start	132	End	400
Name	OJ990627_38.9B19.C28.o1.gs	Method	GENSCAN

Start	132	End	400
GI	none	Score	.5
Exons	132..295, 318..400		

Seq. No.	15730	Seq. ID	OJ990627_38.9B19.C29
Gene No.	33286	Strand	+
Start	4628	End	10292
Name	OJ990627_38.9B19.C29.o3.gs	Method	GENSCAN
Start	4628	End	8724
GI	none	Score	.44
Exons	4628..4772, 4797..4918, 5632..5712, 6267..6386, 7789..7950, 8054..8248, 8260..8724		

Seq. No.	15730	Seq. ID	OJ990627_38.9B19.C29
Gene No.	33286	Strand	+
Start	4628	End	10292
Name	OJ990627_38.9B19.C29.o3.gp	Method	AAT/GAP
Start	7807	End	10292
GI	25857_1.R1084	Score	418
Exons	7807..7950, 9128..9229, 10264..10292		
GI Descrip.	'1621495/dbj\|BAA12903\| 4.0e-35 (D85877) reverse transcriptase [Oryza sativa]'		

Seq. No.	15730	Seq. ID	OJ990627_38.9B19.C29
Gene No.	33286	Strand	+
Start	4628	End	10292
Name	OJ990627_38.9B19.C29.o4.gs	Method	GENSCAN
Start	9783	End	10169
GI	none	Score	.68
Exons	9783..10169		

Seq. No.	15730	Seq. ID	OJ990627_38.9B19.C29
Gene No.	33287	Strand	-
Start	1	End	2444
Name	OJ990627_38.9B19.C29.o1.gp	Method	AAT/GAP
Start	1	End	540
GI	11466_1.R1084	Score	602
Exons	1..139, 261..371, 455..540		
GI Descrip.	'2369766/emb\|CAA04664\| 3.0e-35 (AJ001304) hypothetical protein [Citrus x paradisi]'		

Seq. No.	15730	Seq. ID	OJ990627_38.9B19.C29
Gene No.	33287	Strand	-
Start	1	End	2444
Name	OJ990627_38.9B19.C29.o1.np	Method	AAT/NAP
Start	95	End	2067
GI	2369766	Score	797
Exons	95..139, 261..371, 455..538, 1217..1317, 1452..2067		
GI Descrip.	(AJ001304) hypothetical protein [Citrus x paradisi]		

Seq. No.	15730	Seq. ID	OJ990627_38.9B19.C29
Gene No.	33287	Strand	-
Start	1	End	2444
Name	OJ990627_38.9B19.C29.o1.gs	Method	GENSCAN
Start	261	End	2058
GI	none	Score	.97
Exons	261..371, 455..538, 1217..1317, 1452..2058		

Seq. No.	15730	Seq. ID	OJ990627_38.9B19.C29
Gene No.	33287	Strand	-
Start	1	End	2444
Name	OJ990627_38.9B19.C29.o2.gp	Method	AAT/GAP
Start	1704	End	2444
GI	13489_1.R1084	Score	1235
Exons	1704..2194, 2291..2444		
GI Descrip.	'2369766/emb\|CAA04664\| 2.0e-14 (AJ001304) hypothetical protein [Citrus x paradisi]'		

Seq. No.	15730	Seq. ID	OJ990627_38.9B19.C29
Gene No.	33288	Strand	-
Start	3396	End	3863
Name	OJ990627_38.9B19.C29.o1.tm	Method	TBLASTX:Maize
Start	22	End	2065
GI	none	Score	34
Exons	22..48, 91..162, 92..142, 246..371, 265..372, 268..372, 270..374, 446..580, 450..539, 452..541, 454..546, 1163..1318, 1216..1314, 1218..1319, 1428..1562, 1433..1564, 1443..1517, 1447..1578, 1451..1567, 1588..1719, 1617..1712, 1648..1719, 1673..1723, 1705..1779, 1705..1785, 1780..1827, 1781..1822, 1801..1872, 1864..2061, 1865..2062, 1878..2048, 1880..2065		

Seq. No.	15730	Seq. ID	OJ990627_38.9B19.C29
Gene No.	33288	Strand	-
Start	3396	End	3863
Name	OJ990627_38.9B19.C29.o2.tw	Method	TBLASTX:Wheat
Start	39	End	481
GI	none	Score	38
Exons	39..68, 91..144, 93..140, 116..142, 231..371, 265..372, 265..372, 266..373, 446..481, 450..479		

Seq. No.	15730	Seq. ID	OJ990627_38.9B19.C29
Gene No.	33288	Strand	-
Start	3396	End	3863
Name	OJ990627_38.9B19.C29.o1.tc	Method	TBLASTX:Cress
Start	246	End	2065
GI	none	Score	128
Exons	246..371, 262..372, 271..375, 441..530, 446..547, 450..539, 1220..1318, 1227..1319, 1436..1558, 1447..1578, 1450..1764, 1915..2058, 1925..2065		

Seq. No.	15730	Seq. ID	OJ990627_38.9B19.C29
Gene No.	33288	Strand	-
Start	3396	End	3863
Name	OJ990627_38.9B19.C29.o1.ts	Method	TBLASTX:Soybean
Start	246	End	2086
GI	none	Score	128
Exons	246..371, 265..372, 271..375, 446..580, 450..539, 1163..1318, 1218..1319, 1433..1540, 1447..1578, 1451..1564, 1801..1866, 1915..2058, 1925..2086, 1934..2059		

Seq. No.	15730	Seq. ID	OJ990627_38.9B19.C29
Gene No.	33288	Strand	-
Start	3396	End	3863
Name	OJ990627_38.9B19.C29.o1.tw	Method	TBLASTX:Wheat

Start	482	End	2076
GI	none	Score	77
Exons	482..580, 483..539, 484..540, 485..541, 1163..1318, 1187..1315, 1216..1317, 1218..1319, 1428..1562, 1447..1578, 1451..1567, 1453..1638, 1582..2076, 1648..2076		

Seq. No.	15730	Seq. ID	OJ990627_38.9B19.C29
Gene No.	33288	Strand	-
Start	3396	End	3863
Name	OJ990627_38.9B19.C29.o2.gs	Method	GENSCAN
Start	3396	End	3863
GI	none	Score	.8
Exons	3396..3518, 3783..3863		

Seq. No.	15730	Seq. ID	OJ990627_38.9B19.C29
Gene No.	33289	Strand	
Start	9966	End	10248
Name	OJ990627_38.9B19.C29.o2.tm	Method	TBLASTX:Maize
Start	9966	End	10248
GI	none	Score	320
Exons	9966..10247, 9968..10243, 9981..10247, 9982..10248		

Seq. No.	15731	Seq. ID	OJ990627_38.9B19.C31
Gene No.	33290	Strand	+
Start	90	End	232
Name	OJ990627_38.9B19.C31.o1.np	Method	AAT/NAP
Start	90	End	232
GI	529353	Score	117
Exons	90..232		
GI Descrip.	(U12757) diphenol oxidase [Acer pseudoplatanus]		

Seq. No.	15732	Seq. ID	OJ990627_38.9B19.C34
Gene No.	33291	Strand	-
Start	2	End	421
Name	OJ990627_38.9B19.C34.o1.gs	Method	GENSCAN
Start	2	End	421
GI	none	Score	.69
Exons	2..166, 323..421		

Seq. No.	15733	Seq. ID	OJ990627_38.9B19.C35
Gene No.	33292	Strand	-
Start	45	End	200
Name	OJ990627_38.9B19.C35.o1.gs	Method	GENSCAN
Start	45	End	200
GI	none	Score	.54
Exons	45..200		

Seq. No.	15734	Seq. ID	OJ990627_38.9B19.C36
Gene No.	33293	Strand	+
Start	1	End	387
Name	OJ990627_38.9B19.C36.o1.np	Method	AAT/NAP
Start	1	End	387
GI	3169883	Score	195
Exons	1..188, 330..387		
GI Descrip.	(AF033194) dehydroquinate dehydratase/shikimate:NADP oxidoreductase [Lycopersicon esculentum] gi\|3169888 (AF034411) dehydroquinate dehydratase/shikimate:NADP oxidoreductase		

[Lycopersicon esculentum]

Seq. No.	15734	Seq. ID	OJ990627_38.9B19.C36
Gene No.	33293	Strand	+
Start	1	End	387
Name	OJ990627_38.9B19.C36.o1.tm	Method	TBLASTX:Maize
Start	1	End	186
GI	none	Score	271
Exons	1..186, 3..176, 7..186		

Seq. No.	15734	Seq. ID	OJ990627_38.9B19.C36
Gene No.	33293	Strand	+
Start	1	End	387
Name	OJ990627_38.9B19.C36.o1.ts	Method	TBLASTX:Soybean
Start	1	End	186
GI	none	Score	218
Exons	1..186, 6..176, 25..186		

Seq. No.	15734	Seq. ID	OJ990627_38.9B19.C36
Gene No.	33293	Strand	+
Start	1	End	387
Name	OJ990627_38.9B19.C36.o1.tc	Method	TBLASTX:Cress
Start	1	End	186
GI	none	Score	187
Exons	1..186, 1..159, 3..161		

Seq. No.	15734	Seq. ID	OJ990627_38.9B19.C36
Gene No.	33293	Strand	+
Start	1	End	387
Name	OJ990627_38.9B19.C36.o1.gs	Method	GENSCAN
Start	78	End	174
GI	none	Score	.66
Exons	78..174		

Seq. No.	15735	Seq. ID	OJ990627_38.9B19.C37
Gene No.	33294	Strand	+
Start	234	End	394
Name	OJ990627_38.9B19.C37.o1.gp	Method	AAT/GAP
Start	234	End	394
GI	none	Score	294
Exons	234..394		

Seq. No.	15735	Seq. ID	OJ990627_38.9B19.C37
Gene No.	33295	Strand	-
Start	416	End	706
Name	OJ990627_38.9B19.C37.o1.np	Method	AAT/NAP
Start	341	End	706
GI	6729012	Score	109
Exons	341..406, 496..706		
GI Descrip.	(AC016827) putative GTPase [Arabidopsis thaliana]		

Seq. No.	15735	Seq. ID	OJ990627_38.9B19.C37
Gene No.	33295	Strand	-
Start	416	End	706
Name	OJ990627_38.9B19.C37.o1.tm	Method	TBLASTX:Maize
Start	407	End	704
GI	none	Score	41

Exons	407..703, 408..440, 416..454, 490..693, 548..703, 603..704		
Seq. No.	15735	Seq. ID	OJ990627_38.9B19.C37
Gene No.	33295	Strand	-
Start	416	End	706
Name	OJ990627_38.9B19.C37.o1.gs	Method	GENSCAN
Start	416	End	694
GI	none	Score	1
Exons	416..694		
Seq. No.	15736	Seq. ID	OJ990627_33.9B18.C1
Gene No.	33296	Strand	-
Start	196	End	285
Name	OJ990627_33.9B18.C1.o1.gs	Method	GENSCAN
Start	196	End	285
GI	none	Score	.87
Exons	196..285		
Seq. No.	15737	Seq. ID	OJ990627_33.9B18.C2
Gene No.	33297	Strand	+
Start	2003	End	12689
Name	OJ990627_33.9B18.C2.o1.np	Method	AAT/NAP
Start	1403	End	1710
GI	6539588	Score	131
Exons	1403..1710		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		
Seq. No.	15737	Seq. ID	OJ990627_33.9B18.C2
Gene No.	33297	Strand	+
Start	2003	End	12689
Name	OJ990627_33.9B18.C2.o1.gs	Method	GENSCAN
Start	2003	End	6804
GI	none	Score	.44
Exons	2003..2009, 3631..3844, 6129..6365, 6591..6804		
Seq. No.	15737	Seq. ID	OJ990627_33.9B18.C2
Gene No.	33297	Strand	+
Start	2003	End	12689
Name	OJ990627_33.9B18.C2.o2.np	Method	AAT/NAP
Start	3871	End	9508
GI	6907104	Score	236
Exons	3871..4029, 4211..4247, 9491..9508		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		
Seq. No.	15737	Seq. ID	OJ990627_33.9B18.C2
Gene No.	33297	Strand	+
Start	2003	End	12689
Name	OJ990627_33.9B18.C2.o3.np	Method	AAT/NAP
Start	6565	End	12689
GI	5852180	Score	595
Exons	6565..6685, 7328..7375, 8369..8485, 8537..8954, 12551..12689		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	15737	Seq. ID	OJ990627_33.9B18.C2
Gene No.	33297	Strand	+
Start	2003	End	12689
Name	OJ990627_33.9B18.C2.o4.np	Method	AAT/NAP

Start	9897	End	11260
GI	4538624	Score	558
Exons	9897..11260		
GI Descrip.	(AJ133502) hypothetical protein [Nicotiana tabacum]		

Seq. No.	15737	Seq. ID	OJ990627_33.9B18.C2
Gene No.	33298	Strand	-
Start	7224	End	7609
Name	OJ990627_33.9B18.C2.o1.gp	Method	AAT/GAP
Start	7224	End	7609
GI	uC-osflcyp033a04b1	Score	633
Exons	7224..7609		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	15737	Seq. ID	OJ990627_33.9B18.C2
Gene No.	33299	Strand	-
Start	8027	End	9070
Name	OJ990627_33.9B18.C2.o2.gs	Method	GENSCAN
Start	8027	End	9070
GI	none	Score	.47
Exons	8027..8134, 8390..8512, 8694..8986, 9046..9070		

Seq. No.	15737	Seq. ID	OJ990627_33.9B18.C2
Gene No.	33300	Strand	-
Start	12267	End	12667
Name	OJ990627_33.9B18.C2.o1.tc	Method	TBLASTX:Cress
Start	10388	End	12074
GI	none	Score	355
Exons	10388..11029, 11020..11097, 11294..11473, 11742..11861, 11976..12074		

Seq. No.	15737	Seq. ID	OJ990627_33.9B18.C2
Gene No.	33300	Strand	-
Start	12267	End	12667
Name	OJ990627_33.9B18.C2.o1.ts	Method	TBLASTX:Soybean
Start	11735	End	12062
GI	none	Score	166
Exons	11735..11860, 11736..11858, 11944..12054, 11970..12062, 11973..12044		

Seq. No.	15737	Seq. ID	OJ990627_33.9B18.C2
Gene No.	33300	Strand	-
Start	12267	End	12667
Name	OJ990627_33.9B18.C2.o3.gp	Method	AAT/GAP
Start	12267	End	12667
GI	3106733	Score	646
Exons	12267..12667		

Seq. No.	15738	Seq. ID	OJ990627_33.9B18.C3
Gene No.	33301	Strand	-
Start	422	End	4013
Name	OJ990627_33.9B18.C3.o1.gs	Method	GENSCAN
Start	422	End	3969
GI	none	Score	.79
Exons	422..1741, 1755..3562, 3751..3969		

Seq. No.	15738	Seq. ID	OJ990627_33.9B18.C3
Gene No.	33301	Strand	-
Start	422	End	4013
Name	OJ990627_33.9B18.C3.o1.np	Method	AAT/NAP
Start	425	End	4013
GI	4680179	Score	4677
Exons	425..3829, 3863..4013		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	15738	Seq. ID	OJ990627_33.9B18.C3
Gene No.	33301	Strand	-
Start	422	End	4013
Name	OJ990627_33.9B18.C3.o6.tw	Method	TBLASTX:Wheat
Start	470	End	803
GI	none	Score	115
Exons	470..802, 491..799, 534..803		

Seq. No.	15738	Seq. ID	OJ990627_33.9B18.C3
Gene No.	33301	Strand	-
Start	422	End	4013
Name	OJ990627_33.9B18.C3.o1.tm	Method	TBLASTX:Maize
Start	650	End	1249
GI	none	Score	217
Exons	650..1090, 666..1088, 1088..1249, 1095..1241		

Seq. No.	15738	Seq. ID	OJ990627_33.9B18.C3
Gene No.	33301	Strand	-
Start	422	End	4013
Name	OJ990627_33.9B18.C3.o1.tw	Method	TBLASTX:Wheat
Start	803	End	1429
GI	none	Score	68
Exons	803..1429, 806..928, 915..1373		

Seq. No.	15738	Seq. ID	OJ990627_33.9B18.C3
Gene No.	33301	Strand	-
Start	422	End	4013
Name	OJ990627_33.9B18.C3.o4.tm	Method	TBLASTX:Maize
Start	1298	End	1590
GI	none	Score	206
Exons	1298..1588, 1302..1589, 1438..1590		

Seq. No.	15738	Seq. ID	OJ990627_33.9B18.C3
Gene No.	33301	Strand	-
Start	422	End	4013
Name	OJ990627_33.9B18.C3.o2.ts	Method	TBLASTX:Soybean
Start	1388	End	1648
GI	none	Score	157
Exons	1388..1648, 1389..1643		

Seq. No.	15738	Seq. ID	OJ990627_33.9B18.C3
Gene No.	33301	Strand	-
Start	422	End	4013
Name	OJ990627_33.9B18.C3.o1.tc	Method	TBLASTX:Cress
Start	1412	End	1729
GI	none	Score	78
Exons	1412..1555, 1413..1553, 1556..1729		

Seq. No.	15738	Seq. ID	OJ990627_33.9B18.C3
Gene No.	33301	Strand	-
Start	422	End	4013
Name	OJ990627_33.9B18.C3.o3.tw	Method	TBLASTX:Wheat
Start	1436	End	1926
GI	none	Score	235
Exons	1436..1732, 1440..1694, 1484..1723, 1733..1900, 1740..1901, 1740..1925, 1744..1926		

Seq. No.	15738	Seq. ID	OJ990627_33.9B18.C3
Gene No.	33301	Strand	-
Start	422	End	4013
Name	OJ990627_33.9B18.C3.o2.tw	Method	TBLASTX:Wheat
Start	1926	End	2429
GI	none	Score	362
Exons	1926..2429, 2008..2397		

Seq. No.	15738	Seq. ID	OJ990627_33.9B18.C3
Gene No.	33301	Strand	-
Start	422	End	4013
Name	OJ990627_33.9B18.C3.o2.tm	Method	TBLASTX:Maize
Start	1995	End	2358
GI	none	Score	172
Exons	1995..2357, 2004..2357, 2008..2358		

Seq. No.	15738	Seq. ID	OJ990627_33.9B18.C3
Gene No.	33301	Strand	-
Start	422	End	4013
Name	OJ990627_33.9B18.C3.o3.ts	Method	TBLASTX:Soybean
Start	2178	End	2423
GI	none	Score	93
Exons	2178..2423, 2179..2406		

Seq. No.	15738	Seq. ID	OJ990627_33.9B18.C3
Gene No.	33301	Strand	-
Start	422	End	4013
Name	OJ990627_33.9B18.C3.o3.tm	Method	TBLASTX:Maize
Start	2394	End	2894
GI	none	Score	50
Exons	2394..2708, 2437..2487, 2515..2568, 2715..2894, 2740..2886		

Seq. No.	15738	Seq. ID	OJ990627_33.9B18.C3
Gene No.	33301	Strand	-
Start	422	End	4013
Name	OJ990627_33.9B18.C3.o5.tw	Method	TBLASTX:Wheat
Start	2430	End	2732
GI	none	Score	272
Exons	2430..2732, 2446..2730		

Seq. No.	15738	Seq. ID	OJ990627_33.9B18.C3
Gene No.	33301	Strand	-
Start	422	End	4013
Name	OJ990627_33.9B18.C3.o1.ts	Method	TBLASTX:Soybean
Start	2445	End	2840
GI	none	Score	178
Exons	2445..2801, 2445..2804, 2446..2802, 2808..2840, 2809..2838		

Seq. No.	15738	Seq. ID	OJ990627_33.9B18.C3
Gene No.	33301	Strand	-
Start	422	End	4013
Name	OJ990627_33.9B18.C3.o4.tw	Method	TBLASTX:Wheat
Start	2781	End	3263
GI	none	Score	199
Exons	2781..3158, 2784..3149, 2824..3159, 3213..3263		

Seq. No.	15738	Seq. ID	OJ990627_33.9B18.C3
Gene No.	33301	Strand	-
Start	422	End	4013
Name	OJ990627_33.9B18.C3.o2.tc	Method	TBLASTX:Cress
Start	2817	End	3134
GI	none	Score	180
Exons	2817..3134		

Seq. No.	15738	Seq. ID	OJ990627_33.9B18.C3
Gene No.	33301	Strand	-
Start	422	End	4013
Name	OJ990627_33.9B18.C3.o5.tm	Method	TBLASTX:Maize
Start	2962	End	3251
GI	none	Score	133
Exons	2962..3153, 2964..3251		

Seq. No.	15738	Seq. ID	OJ990627_33.9B18.C3
Gene No.	33301	Strand	-
Start	422	End	4013
Name	OJ990627_33.9B18.C3.o7.tw	Method	TBLASTX:Wheat
Start	3363	End	3802
GI	none	Score	76
Exons	3363..3404, 3432..3572, 3433..3546, 3592..3705, 3593..3706, 3707..3802		

Seq. No.	15739	Seq. ID	OJ990627_33.9B18.C7
Gene No.	33302	Strand	+
Start	541	End	4286
Name	OJ990627_33.9B18.C7.o1.gs	Method	GENSCAN
Start	541	End	4286
GI	none	Score	.53
Exons	541..1310, 1471..1540, 2337..2419, 2735..2838, 4236..4286		

Seq. No.	15740	Seq. ID	OJ990627_33.9B18.C9
Gene No.	33303	Strand	+
Start	192	End	254
Name	OJ990627_33.9B18.C9.o1.gs	Method	GENSCAN
Start	192	End	254
GI	none	Score	.8
Exons	192..254		

Seq. No.	15741	Seq. ID	OJ990627_33.9B18.C10
Gene No.	33304	Strand	-
Start	1	End	688
Name	OJ990627_33.9B18.C10.o1.np	Method	AAT/NAP
Start	1	End	688
GI	4680179	Score	997
Exons	1..688		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	15741	Seq. ID	OJ990627_33.9B18.C10
Gene No.	33304	Strand	-
Start	1	End	688
Name	OJ990627_33.9B18.C10.o1.gs	Method	GENSCAN
Start	7	End	671
GI	none	Score	.57
Exons	7..671		

Seq. No.	15741	Seq. ID	OJ990627_33.9B18.C10
Gene No.	33304	Strand	-
Start	1	End	688
Name	OJ990627_33.9B18.C10.o1.tw	Method	TBLASTX:Wheat
Start	30	End	584
GI	none	Score	237
Exons	30..584, 79..528		

Seq. No.	15741	Seq. ID	OJ990627_33.9B18.C10
Gene No.	33304	Strand	-
Start	1	End	688
Name	OJ990627_33.9B18.C10.o2.tm	Method	TBLASTX:Maize
Start	30	End	303
GI	none	Score	138
Exons	30..302, 85..303		

Seq. No.	15741	Seq. ID	OJ990627_33.9B18.C10
Gene No.	33304	Strand	-
Start	1	End	688
Name	OJ990627_33.9B18.C10.o1.tm	Method	TBLASTX:Maize
Start	309	End	626
GI	none	Score	178
Exons	309..626, 315..614, 364..615		

Seq. No.	15742	Seq. ID	OJ990627_33.9B18.C11
Gene No.	33305	Strand	+
Start	421	End	478
Name	OJ990627_33.9B18.C11.o1.gs	Method	GENSCAN
Start	421	End	478
GI	none	Score	.94
Exons	421..478		

Seq. No.	15743	Seq. ID	OJ990627_33.9B18.C14
Gene No.	33306	Strand	
Start	1	End	447
Name	OJ990627_33.9B18.C14.o1.tw	Method	TBLASTX:Wheat
Start	1	End	250
GI	none	Score	214
Exons	1..165, 2..250		

Seq. No.	15743	Seq. ID	OJ990627_33.9B18.C14
Gene No.	33306	Strand	
Start	1	End	447
Name	OJ990627_33.9B18.C14.o1.tm	Method	TBLASTX:Maize
Start	2	End	447
GI	none	Score	37
Exons	2..46, 3..47, 77..322, 92..337, 319..447, 320..367, 340..447		

Seq. No.	15744	Seq. ID	OJ990627_33.9B18.C15
Gene No.	33307	Strand	+
Start	79	End	266
Name	OJ990627_33.9B18.C15.o1.gs	Method	GENSCAN
Start	79	End	266
GI	none	Score	.45
Exons	79..266		

Seq. No.	15745	Seq. ID	OJ990627_33.9B18.C20
Gene No.	33308	Strand	+
Start	1496	End	3181
Name	OJ990627_33.9B18.C20.o2.gp	Method	AAT/GAP
Start	1496	End	3181
GI	none	Score	1016
Exons	1496..1916, 2034..2117, 3142..3181		

Seq. No.	15745	Seq. ID	OJ990627_33.9B18.C20
Gene No.	33309	Strand	-
Start	1	End	1255
Name	OJ990627_33.9B18.C20.o1.gp	Method	AAT/GAP
Start	1	End	1255
GI	none	Score	440
Exons	1..179, 1182..1255		

Seq. No.	15746	Seq. ID	OJ990627_33.9B18.C21
Gene No.	33310	Strand	-
Start	250	End	596
Name	OJ990627_33.9B18.C21.o1.gs	Method	GENSCAN
Start	250	End	596
GI	none	Score	.8
Exons	250..410, 491..596		

Seq. No.	15747	Seq. ID	OJ990627_33.9B18.C22
Gene No.	33311	Strand	+
Start	434	End	4011
Name	OJ990627_33.9B18.C22.o1.gs	Method	GENSCAN
Start	434	End	1032
GI	none	Score	.69
Exons	434..541, 817..1032		

Seq. No.	15747	Seq. ID	OJ990627_33.9B18.C22
Gene No.	33311	Strand	+
Start	434	End	4011
Name	OJ990627_33.9B18.C22.o2.np	Method	AAT/NAP
Start	447	End	4011
GI	1174415	Score	71
Exons	447..605, 888..1013, 2216..2553, 3982..4011		
GI Descrip.	SPIDROIN 2 (DRAGLINE SILK FIBROIN 2) gi\|345426\|pir\|\|A44112 spidroin 2, dragline silk fibroin - orb spider (Nephila clavipes) (fragment) gi\|159714 (M92913) dragline silk fibroin [Nephila clavipes]		

Seq. No.	15747	Seq. ID	OJ990627_33.9B18.C22
Gene No.	33311	Strand	+
Start	434	End	4011
Name	OJ990627_33.9B18.C22.o2.gs	Method	GENSCAN
Start	2452	End	3356

GI	none	Score	.55
Exons	2452..2537, 3344..3356		

Seq. No.	15747	Seq. ID	OJ990627_33.9B18.C22
Gene No.	33312	Strand	-
Start	511	End	618
Name	OJ990627_33.9B18.C22.o1.np	Method	AAT/NAP
Start	511	End	618
GI	5922634	Score	130
Exons	511..618		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016867\|dbj\|BAA85210.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	15748	Seq. ID	OJ990627_33.9B18.C23
Gene No.	33313	Strand	+
Start	1	End	6600
Name	OJ990627_33.9B18.C23.o1.np	Method	AAT/NAP
Start	1	End	6600
GI	6063554	Score	186
Exons	1..53, 4968..5127, 5225..5432, 6385..6600		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	15748	Seq. ID	OJ990627_33.9B18.C23
Gene No.	33314	Strand	+
Start	8666	End	8844
Name	OJ990627_33.9B18.C23.o1.tm	Method	TBLASTX:Maize
Start	3609	End	3905
GI	none	Score	157
Exons	3609..3734, 3620..3733, 3759..3905, 3764..3880		

Seq. No.	15748	Seq. ID	OJ990627_33.9B18.C23
Gene No.	33314	Strand	+
Start	8666	End	8844
Name	OJ990627_33.9B18.C23.o2.np	Method	AAT/NAP
Start	8666	End	8844
GI	6498441	Score	57
Exons	8666..8844		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	15749	Seq. ID	OJ990627_33.9B18.C24
Gene No.	33315	Strand	+
Start	118	End	278
Name	OJ990627_33.9B18.C24.o1.gs	Method	GENSCAN
Start	118	End	278
GI	none	Score	.64
Exons	118..278		

Seq. No.	15749	Seq. ID	OJ990627_33.9B18.C24
Gene No.	33316	Strand	+
Start	345	End	509
Name	OJ990627_33.9B18.C24.o1.gp	Method	AAT/GAP
Start	345	End	509

GI	26783_1.R1084	Score	196
Exons	345..509		
GI Descrip.	'1173137/sp\|P46279\|RPB7_SOYBN 1.0e-90 DNA-DIRECTED RNA POLYMERASE II 19 KD POLYPEPTIDE (RNA POLYMERASE II SUBUNIT 5) >gi_322700_pir__B44457 RNA polymerase II fifth largest subunit - Glycine max=soybeans >gi_170052 (M90504) RNA polymerase II [Glycine max]'		

Seq. No.	15750	Seq. ID	OJ990627_33.9B18.C25
Gene No.	33317	Strand	+
Start	1	End	1384
Name	OJ990627_33.9B18.C25.o1.np	Method	AAT/NAP
Start	1	End	1384
GI	6907086	Score	783
Exons	1..511, 572..819, 1030..1384		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	15750	Seq. ID	OJ990627_33.9B18.C25
Gene No.	33317	Strand	+
Start	1	End	1384
Name	OJ990627_33.9B18.C25.o1.gs	Method	GENSCAN
Start	45	End	486
GI	none	Score	.9
Exons	45..486		

Seq. No.	15751	Seq. ID	OJ990627_33.9B18.C26
Gene No.	33318	Strand	-
Start	280	End	684
Name	OJ990627_33.9B18.C26.o1.np	Method	AAT/NAP
Start	280	End	684
GI	6539570	Score	179
Exons	280..346, 505..684		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	15752	Seq. ID	OJ990627_33.9B18.C29
Gene No.	33319	Strand	-
Start	151	End	681
Name	OJ990627_33.9B18.C29.o1.gs	Method	GENSCAN
Start	151	End	681
GI	none	Score	.76
Exons	151..217, 389..681		

Seq. No.	15753	Seq. ID	OJ990627_33.9B18.C33
Gene No.	33320	Strand	+
Start	722	End	1124
Name	OJ990627_33.9B18.C33.o1.gs	Method	GENSCAN
Start	722	End	980
GI	none	Score	.99
Exons	722..980		

Seq. No.	15753	Seq. ID	OJ990627_33.9B18.C33
Gene No.	33320	Strand	+
Start	722	End	1124
Name	OJ990627_33.9B18.C33.o1.np	Method	AAT/NAP
Start	740	End	1124
GI	3776573	Score	168
Exons	740..1124		

GI Descrip.	(AC005388) Similar to nodulins and lipase homolog F14J9.5 gi\|3482914 from Arabidopsis thaliana BAC gb\|AC003970. Alternate first exon from 72258 to 72509. [Arabidopsis thaliana]		
Seq. No.	15753	Seq. ID	OJ990627_33.9B18.C33
Gene No.	33320	Strand	+
Start	722	End	1124
Name	OJ990627_33.9B18.C33.o1.gp	Method	AAT/GAP
Start	802	End	980
GI	5950_1.R1084	Score	332
Exons	802..980		
GI Descrip.	'3776573 7.0e-63 (AC005388) Similar to nodulins and lipase homolog F14J9.5 gi_3482914 from Arabidopsis thaliana BAC gb_AC003970. Alternate first exon from 72258 to 72509. [Arabidopsis thaliana]'		
Seq. No.	15753	Seq. ID	OJ990627_33.9B18.C33
Gene No.	33320	Strand	+
Start	722	End	1124
Name	OJ990627_33.9B18.C33.o1.ts	Method	TBLASTX:Soybean
Start	824	End	1024
GI	none	Score	204
Exons	824..1024, 829..996		
Seq. No.	15754	Seq. ID	OJ990627_33.9B18.C35
Gene No.	33321	Strand	+
Start	742	End	916
Name	OJ990627_33.9B18.C35.o1.gp	Method	AAT/GAP
Start	742	End	916
GI	LIB3433-026-P1-K1-C1	Score	258
Exons	742..916		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	15754	Seq. ID	OJ990627_33.9B18.C35
Gene No.	33322	Strand	+
Start	11406	End	11790
Name	OJ990627_33.9B18.C35.o2.gp	Method	AAT/GAP
Start	11406	End	11790
GI	uC-osflcyp033a04b1	Score	616
Exons	11406..11790		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	15754	Seq. ID	OJ990627_33.9B18.C35
Gene No.	33323	Strand	-
Start	1	End	122
Name	OJ990627_33.9B18.C35.o1.np	Method	AAT/NAP
Start	1	End	122
GI	4512231	Score	139
Exons	1..122		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		
Seq. No.	15754	Seq. ID	OJ990627_33.9B18.C35
Gene No.	33324	Strand	-
Start	3587	End	9363
Name	OJ990627_33.9B18.C35.o2.gs	Method	GENSCAN

Start	3587	End	9363
GI	none	Score	.67
Exons	3587..3831, 4323..4523, 4529..4673, 4764..4833, 4835..4968, 7038..7290, 7295..7487, 9189..9363		

Seq. No.	15754	Seq. ID	OJ990627_33.9B18.C35
Gene No.	33324	Strand	-
Start	3587	End	9363
Name	OJ990627_33.9B18.C35.o2.np	Method	AAT/NAP
Start	4198	End	4968
GI	4512231	Score	1158
Exons	4198..4968		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	15754	Seq. ID	OJ990627_33.9B18.C35
Gene No.	33324	Strand	-
Start	3587	End	9363
Name	OJ990627_33.9B18.C35.o3.np	Method	AAT/NAP
Start	6444	End	7341
GI	5852178	Score	456
Exons	6444..6539, 6902..7006, 7038..7341		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	15754	Seq. ID	OJ990627_33.9B18.C35
Gene No.	33325	Strand	-
Start	10081	End	13061
Name	OJ990627_33.9B18.C35.o1.ts	Method	TBLASTX:Soybean
Start	9046	End	9291
GI	none	Score	47
Exons	9046..9291, 9050..9085, 9161..9247		

Seq. No.	15754	Seq. ID	OJ990627_33.9B18.C35
Gene No.	33325	Strand	-
Start	10081	End	13061
Name	OJ990627_33.9B18.C35.o4.np	Method	AAT/NAP
Start	10057	End	11709
GI	5852180	Score	588
Exons	10057..10478, 10530..10641, 11633..11709		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	15754	Seq. ID	OJ990627_33.9B18.C35
Gene No.	33325	Strand	-
Start	10081	End	13061
Name	OJ990627_33.9B18.C35.o3.gs	Method	GENSCAN
Start	10081	End	10410
GI	none	Score	.98
Exons	10081..10410		

Seq. No.	15754	Seq. ID	OJ990627_33.9B18.C35
Gene No.	33325	Strand	-
Start	10081	End	13061
Name	OJ990627_33.9B18.C35.o5.np	Method	AAT/NAP
Start	11020	End	13061
GI	629693	Score	185
Exons	11020..11045, 12675..13061		
GI Descrip.	probable integrase - common tobacco (fragment) gi\|530742\|emb\|CAA56791\| (X80830) integrase [Nicotiana tabacum]		

Seq. No.	15754	Seq. ID	OJ990627_33.9B18.C35
Gene No.	33325	Strand	-
Start	10081	End	13061
Name	OJ990627_33.9B18.C35.o4.gs	Method	GENSCAN
Start	12449	End	12865
GI	none	Score	.65
Exons	12449..12865		

Seq. No.	15755	Seq. ID	OJ990627_33.9B18.C36
Gene No.	33326	Strand	+
Start	689	End	1801
Name	OJ990627_33.9B18.C36.o1.np	Method	AAT/NAP
Start	689	End	1801
GI	5042448	Score	141
Exons	689..1223, 1694..1801		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	15755	Seq. ID	OJ990627_33.9B18.C36
Gene No.	33326	Strand	+
Start	689	End	1801
Name	OJ990627_33.9B18.C36.o1.gp	Method	AAT/GAP
Start	901	End	1355
GI	95437_1.R1084	Score	762
Exons	901..1355		
GI Descrip.	'4512226/dbj\|AB014738.1\|AB014738 1.0e-134 Oryza sativa gypsy-type retrotransposon RIRE3 DNA, internal region, complete sequence'		

Seq. No.	15756	Seq. ID	OJ990627_33.9B18.C38
Gene No.	33327	Strand	+
Start	119	End	733
Name	OJ990627_33.9B18.C38.o1.np	Method	AAT/NAP
Start	119	End	733
GI	6907088	Score	473
Exons	119..256, 432..733		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	15757	Seq. ID	OJ990627_33.9B18.C40
Gene No.	33328	Strand	+
Start	396	End	558
Name	OJ990627_33.9B18.C40.o1.gs	Method	GENSCAN
Start	396	End	558
GI	none	Score	.64
Exons	396..558		

Seq. No.	15758	Seq. ID	OJ990627_33.9B18.C41
Gene No.	33329	Strand	+
Start	1	End	361
Name	OJ990627_33.9B18.C41.o1.gp	Method	AAT/GAP
Start	1	End	361
GI	54_1.R1084	Score	714
Exons	1..361		
GI Descrip.	'3721942/dbj\|BAA33762\| 1.0e-158 (AB018248) chitinase [Oryza sativa]'		

Seq. No.	15758	Seq. ID	OJ990627_33.9B18.C41
Gene No.	33329	Strand	+
Start	1	End	361
Name	OJ990627_33.9B18.C41.o1.np	Method	AAT/NAP
Start	1	End	320
GI	3061269	Score	554
Exons	1..320		
GI Descrip.	(AB012855) chitinase [Oryza sativa]		

Seq. No.	15758	Seq. ID	OJ990627_33.9B18.C41
Gene No.	33329	Strand	+
Start	1	End	361
Name	OJ990627_33.9B18.C41.o1.tm	Method	TBLASTX:Maize
Start	2	End	305
GI	none	Score	77
Exons	2..58, 3..56, 60..161, 62..157, 198..305, 203..292, 207..296		

Seq. No.	15758	Seq. ID	OJ990627_33.9B18.C41
Gene No.	33329	Strand	+
Start	1	End	361
Name	OJ990627_33.9B18.C41.o1.ts	Method	TBLASTX:Soybean
Start	5	End	287
GI	none	Score	71
Exons	5..46, 6..50, 57..161, 62..157, 201..287		

Seq. No.	15758	Seq. ID	OJ990627_33.9B18.C41
Gene No.	33329	Strand	+
Start	1	End	361
Name	OJ990627_33.9B18.C41.o1.tc	Method	TBLASTX:Cress
Start	9	End	311
GI	none	Score	67
Exons	9..56, 54..161, 62..157, 198..311		

Seq. No.	15758	Seq. ID	OJ990627_33.9B18.C41
Gene No.	33329	Strand	+
Start	1	End	361
Name	OJ990627_33.9B18.C41.o1.gs	Method	GENSCAN
Start	39	End	323
GI	none	Score	.88
Exons	39..323		

Seq. No.	15759	Seq. ID	OJ990627_33.9B18.C42
Gene No.	33330	Strand	-
Start	3	End	548
Name	OJ990627_33.9B18.C42.o1.gs	Method	GENSCAN
Start	3	End	548
GI	none	Score	.67
Exons	3..94, 326..548		

Seq. No.	15760	Seq. ID	OJ990627_33.9B18.C43
Gene No.	33331	Strand	-
Start	1	End	746
Name	OJ990627_33.9B18.C43.o1.gp	Method	AAT/GAP
Start	1	End	746
GI	54_1.R1084	Score	1255
Exons	1..117, 203..746		
GI Descrip.	'3721942/dbj\|BAA33762\| 1.0e-158 (AB018248) chitinase [Oryza		

sativa]'

Seq. No.	15760	Seq. ID	OJ990627_33.9B18.C43
Gene No.	33331	Strand	-
Start	1	End	746
Name	OJ990627_33.9B18.C43.o1.np	Method	AAT/NAP
Start	1	End	695
GI	3721942	Score	1055
Exons	1..117, 203..695		
GI Descrip.	(AB018248) chitinase [Oryza sativa]		

Seq. No.	15760	Seq. ID	OJ990627_33.9B18.C43
Gene No.	33331	Strand	-
Start	1	End	746
Name	OJ990627_33.9B18.C43.o1.tc	Method	TBLASTX:Cress
Start	2	End	599
GI	none	Score	76
Exons	2..115, 21..116, 189..272, 202..273, 339..428, 483..500, 504..599		

Seq. No.	15760	Seq. ID	OJ990627_33.9B18.C43
Gene No.	33331	Strand	-
Start	1	End	746
Name	OJ990627_33.9B18.C43.o1.gs	Method	GENSCAN
Start	36	End	659
GI	none	Score	.8
Exons	36..117, 203..659		

Seq. No.	15760	Seq. ID	OJ990627_33.9B18.C43
Gene No.	33331	Strand	-
Start	1	End	746
Name	OJ990627_33.9B18.C43.o1.ts	Method	TBLASTX:Soybean
Start	89	End	599
GI	none	Score	56
Exons	89..115, 201..272, 480..599, 571..597		

Seq. No.	15760	Seq. ID	OJ990627_33.9B18.C43
Gene No.	33331	Strand	-
Start	1	End	746
Name	OJ990627_33.9B18.C43.o1.tm	Method	TBLASTX:Maize
Start	219	End	599
GI	none	Score	184
Exons	219..272, 339..410, 483..599		

Seq. No.	15761	Seq. ID	OJ990627_33.9B18.C44
Gene No.	33332	Strand	-
Start	13	End	72
Name	OJ990627_33.9B18.C44.o1.gs	Method	GENSCAN
Start	13	End	72
GI	none	Score	.69
Exons	13..72		

Seq. No.	15762	Seq. ID	OJ990627_33.9B18.C46
Gene No.	33333	Strand	+
Start	69	End	162
Name	OJ990627_33.9B18.C46.o1.gs	Method	GENSCAN
Start	69	End	162

GI	none	Score	.99
Exons	69..162		

Seq. No.	15763	Seq. ID	OJ990627_33.9B18.C47
Gene No.	33334	Strand	+
Start	1	End	711
Name	OJ990627_33.9B18.C47.o1.gp	Method	AAT/GAP
Start	1	End	416
GI	5950_1.R1084	Score	707
Exons	1..416		
GI Descrip.	'3776573 7.0e-63 (AC005388) Similar to nodulins and lipase homolog F14J9.5 gi_3482914 from Arabidopsis thaliana BAC gb_AC003970. Alternate first exon from 72258 to 72509. [Arabidopsis thaliana]'		

Seq. No.	15763	Seq. ID	OJ990627_33.9B18.C47
Gene No.	33334	Strand	+
Start	1	End	711
Name	OJ990627_33.9B18.C47.o1.np	Method	AAT/NAP
Start	1	End	711
GI	3776573	Score	476
Exons	1..207, 434..711		
GI Descrip.	(AC005388) Similar to nodulins and lipase homolog F14J9.5 gi\|3482914 from Arabidopsis thaliana BAC gb\|AC003970. Alternate first exon from 72258 to 72509. [Arabidopsis thaliana]		

Seq. No.	15763	Seq. ID	OJ990627_33.9B18.C47
Gene No.	33334	Strand	+
Start	1	End	711
Name	OJ990627_33.9B18.C47.o1.gs	Method	GENSCAN
Start	434	End	704
GI	none	Score	.93
Exons	434..704		

Seq. No.	15763	Seq. ID	OJ990627_33.9B18.C47
Gene No.	33335	Strand	-
Start	409	End	711
Name	OJ990627_33.9B18.C47.o1.tm	Method	TBLASTX:Maize
Start	32	End	706
GI	none	Score	150
Exons	32..193, 35..199, 36..200, 39..206, 40..207, 40..207, 428..703, 431..706, 433..705		

Seq. No.	15763	Seq. ID	OJ990627_33.9B18.C47
Gene No.	33335	Strand	-
Start	409	End	711
Name	OJ990627_33.9B18.C47.o2.gp	Method	AAT/GAP
Start	409	End	711
GI	5117_1.R1084	Score	502
Exons	409..711		
GI Descrip.	'3776573 8.0e-62 (AC005388) Similar to nodulins and lipase homolog F14J9.5 gi_3482914 from Arabidopsis thaliana BAC gb_AC003970. Alternate first exon from 72258 to 72509. [Arabidopsis thaliana]'		

Seq. No.	15763	Seq. ID	OJ990627_33.9B18.C47
Gene No.	33335	Strand	-

Start	409	End	711
Name	OJ990627_33.9B18.C47.o1.ts	Method	TBLASTX:Soybean
Start	473	End	706
GI	none	Score	185
Exons	473..607, 475..621, 611..706		

Seq. No.	15764	Seq. ID	OJ990627_33.9B18.C48
Gene No.	33336	Strand	-
Start	1219	End	1481
Name	OJ990627_33.9B18.C48.o1.tm	Method	TBLASTX:Maize
Start	1211	End	1480
GI	none	Score	96
Exons	1211..1285, 1219..1287, 1219..1287, 1358..1477, 1362..1478, 1364..1480		

Seq. No.	15764	Seq. ID	OJ990627_33.9B18.C48
Gene No.	33336	Strand	-
Start	1219	End	1481
Name	OJ990627_33.9B18.C48.o1.gs	Method	GENSCAN
Start	1219	End	1478
GI	none	Score	.77
Exons	1219..1287, 1364..1478		

Seq. No.	15764	Seq. ID	OJ990627_33.9B18.C48
Gene No.	33336	Strand	-
Start	1219	End	1481
Name	OJ990627_33.9B18.C48.o1.ts	Method	TBLASTX:Soybean
Start	1222	End	1481
GI	none	Score	74
Exons	1222..1287, 1226..1285, 1364..1480, 1368..1478, 1377..1481		

Seq. No.	15765	Seq. ID	OJ990527_38.9B18.C1
Gene No.	33337	Strand	+
Start	433	End	2094
Name	OJ990527_38.9B18.C1.o1.np	Method	AAT/NAP
Start	433	End	1161
GI	2522230	Score	323
Exons	433..1161		
GI Descrip.	(AB007467) retrotransposon-like gene; the first amino acid was determined to be leucine [Vicia faba]		

Seq. No.	15765	Seq. ID	OJ990527_38.9B18.C1
Gene No.	33337	Strand	+
Start	433	End	2094
Name	OJ990527_38.9B18.C1.o1.gs	Method	GENSCAN
Start	447	End	2094
GI	none	Score	.61
Exons	447..677, 855..1299, 1649..1781, 2006..2094		

Seq. No.	15765	Seq. ID	OJ990527_38.9B18.C1
Gene No.	33337	Strand	+
Start	433	End	2094
Name	OJ990527_38.9B18.C1.o1.gp	Method	AAT/GAP
Start	1533	End	1645
GI	uC-osflcyp088b12b1	Score	145
Exons	1533..1645		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 3.0e-36 Oryza sativa genomic		

DNA, chromosome 8, clone:P0026F07'

Seq. No.	15765	Seq. ID	OJ990527_38.9B18.C1
Gene No.	33338	Strand	+
Start	5899	End	6173
Name	OJ990527_38.9B18.C1.o2.gp	Method	AAT/GAP
Start	5899	End	6173
GI	none	Score	421
Exons	5899..6173		

Seq. No.	15765	Seq. ID	OJ990527_38.9B18.C1
Gene No.	33339	Strand	+
Start	9203	End	13681
Name	OJ990527_38.9B18.C1.o4.gs	Method	GENSCAN
Start	9203	End	13681
GI	none	Score	.62
Exons	9203..9311, 9667..9828, 9921..10008, 10048..10346, 11959..12117, 12244..12371, 12674..12856, 13628..13681		

Seq. No.	15765	Seq. ID	OJ990527_38.9B18.C1
Gene No.	33340	Strand	+
Start	16111	End	23849
Name	OJ990527_38.9B18.C1.o5.np	Method	AAT/NAP
Start	16111	End	21061
GI	2443320	Score	335
Exons	16111..16476, 21011..21061		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	15765	Seq. ID	OJ990527_38.9B18.C1
Gene No.	33340	Strand	+
Start	16111	End	23849
Name	OJ990527_38.9B18.C1.o6.np	Method	AAT/NAP
Start	17856	End	23849
GI	4206306	Score	691
Exons	17856..17895, 19620..20757, 23792..23849		
GI Descrip.	(AF049110) prpol [Zea mays]		

Seq. No.	15765	Seq. ID	OJ990527_38.9B18.C1
Gene No.	33340	Strand	+
Start	16111	End	23849
Name	OJ990527_38.9B18.C1.o5.gs	Method	GENSCAN
Start	17957	End	21748
GI	none	Score	.6
Exons	17957..18563, 18830..19028, 19100..19212, 19340..19370, 19486..19625, 19854..20723, 20943..21748		

Seq. No.	15765	Seq. ID	OJ990527_38.9B18.C1
Gene No.	33340	Strand	+
Start	16111	End	23849
Name	OJ990527_38.9B18.C1.o7.np	Method	AAT/NAP
Start	19626	End	22976
GI	6691191	Score	401
Exons	19626..20788, 22881..22976		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	15765	Seq. ID	OJ990527_38.9B18.C1
Gene No.	33341	Strand	-

Start	1	End	9246
Name	OJ990527_38.9B18.C1.o2.np	Method	AAT/NAP
Start	1	End	9246
GI	6681183	Score	118
Exons	1..202, 3557..4227, 9199..9246		
GI Descrip.	diaphanous homolog 1 (Drosophila) gi\|6014968\|sp\|O08808\|DIA1_MOUSE DIAPHANOUS PROTEIN HOMOLOG 1 (P140MDIA) gi\|2114473 (U96963) p140mDia [Mus musculus]		

Seq. No.	15765	Seq. ID	OJ990527_38.9B18.C1
Gene No.	33341	Strand	-
Start	1	End	9246
Name	OJ990527_38.9B18.C1.o2.gs	Method	GENSCAN
Start	2737	End	5025
GI	none	Score	.5
Exons	2737..3228, 3322..3353, 3413..4162, 4977..5025		

Seq. No.	15765	Seq. ID	OJ990527_38.9B18.C1
Gene No.	33341	Strand	-
Start	1	End	9246
Name	OJ990527_38.9B18.C1.o3.gs	Method	GENSCAN
Start	6639	End	8743
GI	none	Score	.68
Exons	6639..6854, 6929..7097, 7227..7858, 7976..8404, 8660..8743		

Seq. No.	15765	Seq. ID	OJ990527_38.9B18.C1
Gene No.	33342	Strand	-
Start	9161	End	9777
Name	OJ990527_38.9B18.C1.o3.np	Method	AAT/NAP
Start	9161	End	9777
GI	6721559	Score	475
Exons	9161..9292, 9323..9777		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi\|6815084\|dbj\|BAA90370.1\| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	15765	Seq. ID	OJ990527_38.9B18.C1
Gene No.	33343	Strand	-
Start	11085	End	19309
Name	OJ990527_38.9B18.C1.o4.np	Method	AAT/NAP
Start	11085	End	19309
GI	4680183	Score	157
Exons	11085..11174, 11785..11855, 19209..19309		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	15765	Seq. ID	OJ990527_38.9B18.C1
Gene No.	33344	Strand	-
Start	21952	End	25646
Name	OJ990527_38.9B18.C1.o3.ts	Method	TBLASTX:Soybean
Start	19724	End	20089
GI	none	Score	128
Exons	19724..19948, 19955..20089		

Seq. No.	15765	Seq. ID	OJ990527_38.9B18.C1
Gene No.	33344	Strand	-
Start	21952	End	25646
Name	OJ990527_38.9B18.C1.o1.tw	Method	TBLASTX:Wheat

Start	19886	End	20289
GI	none	Score	77
Exons	19886..19942, 19891..19932, 19935..20210, 19937..20269, 19945..20247, 20074..20289		

Seq. No.	15765	Seq. ID	OJ990527_38.9B18.C1
Gene No.	33344	Strand	-
Start	21952	End	25646
Name	OJ990527_38.9B18.C1.o2.tm	Method	TBLASTX:Maize
Start	19940	End	20162
GI	none	Score	276
Exons	19940..20158, 19945..20160, 19962..20162		

Seq. No.	15765	Seq. ID	OJ990527_38.9B18.C1
Gene No.	33344	Strand	-
Start	21952	End	25646
Name	OJ990527_38.9B18.C1.o1.tm	Method	TBLASTX:Maize
Start	20162	End	20620
GI	none	Score	508
Exons	20162..20620, 20162..20548, 20317..20619		

Seq. No.	15765	Seq. ID	OJ990527_38.9B18.C1
Gene No.	33344	Strand	-
Start	21952	End	25646
Name	OJ990527_38.9B18.C1.o2.tw	Method	TBLASTX:Wheat
Start	20291	End	20689
GI	none	Score	205
Exons	20291..20626, 20314..20622, 20588..20689		

Seq. No.	15765	Seq. ID	OJ990527_38.9B18.C1
Gene No.	33344	Strand	-
Start	21952	End	25646
Name	OJ990527_38.9B18.C1.o1.ts	Method	TBLASTX:Soybean
Start	20306	End	20746
GI	none	Score	216
Exons	20306..20587, 20344..20568, 20588..20746, 20632..20745		

Seq. No.	15765	Seq. ID	OJ990527_38.9B18.C1
Gene No.	33344	Strand	-
Start	21952	End	25646
Name	OJ990527_38.9B18.C1.o3.tm	Method	TBLASTX:Maize
Start	20954	End	21334
GI	none	Score	70
Exons	20954..21112, 21110..21334		

Seq. No.	15765	Seq. ID	OJ990527_38.9B18.C1
Gene No.	33344	Strand	-
Start	21952	End	25646
Name	OJ990527_38.9B18.C1.o2.ts	Method	TBLASTX:Soybean
Start	20957	End	21355
GI	none	Score	205
Exons	20957..21355, 21082..21177		

Seq. No.	15765	Seq. ID	OJ990527_38.9B18.C1
Gene No.	33344	Strand	-
Start	21952	End	25646
Name	OJ990527_38.9B18.C1.o3.tw	Method	TBLASTX:Wheat

Start	21112	End	21526
GI	none	Score	166
Exons	21112..21195, 21113..21382, 21437..21526		

Seq. No.	15765	Seq. ID	OJ990527_38.9B18.C1
Gene No.	33344	Strand	-
Start	21952	End	25646
Name	OJ990527_38.9B18.C1.o6.gs	Method	GENSCAN
Start	21952	End	25646
GI	none	Score	.66
Exons	21952..22635, 22717..22800, 22898..22957, 23114..23449, 23908..24932, 25093..25190, 25340..25646		

Seq. No.	15766	Seq. ID	OJ990527_38.9B18.C2
Gene No.	33345	Strand	+
Start	1	End	3368
Name	OJ990527_38.9B18.C2.o1.np	Method	AAT/NAP
Start	1	End	519
GI	2443320	Score	480
Exons	1..519		
GI Descrip.	(D85597) polyprotein [Oryza australiensis]		

Seq. No.	15766	Seq. ID	OJ990527_38.9B18.C2
Gene No.	33345	Strand	+
Start	1	End	3368
Name	OJ990527_38.9B18.C2.o1.tw	Method	TBLASTX:Wheat
Start	92	End	330
GI	none	Score	179
Exons	92..325, 100..330		

Seq. No.	15766	Seq. ID	OJ990527_38.9B18.C2
Gene No.	33345	Strand	+
Start	1	End	3368
Name	OJ990527_38.9B18.C2.o1.gs	Method	GENSCAN
Start	323	End	3368
GI	none	Score	.48
Exons	323..485, 1372..1518, 1732..1800, 2029..2213, 2272..2464, 3154..3368		

Seq. No.	15767	Seq. ID	OJ990527_38.9B18.C3
Gene No.	33346	Strand	+
Start	491	End	837
Name	OJ990527_38.9B18.C3.o1.gp	Method	AAT/GAP
Start	491	End	837
GI	25792_1.R1084	Score	646
Exons	491..837		
GI Descrip.	'4512233/dbj\|AB014743.1\|AB014743 0.0e+00 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence'		

Seq. No.	15767	Seq. ID	OJ990527_38.9B18.C3
Gene No.	33347	Strand	-
Start	467	End	670
Name	OJ990527_38.9B18.C3.o1.gs	Method	GENSCAN
Start	467	End	670
GI	none	Score	.97
Exons	467..670		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33348	Strand	+
Start	22983	End	23240
Name	OJ990527_38.9B18.C4.o4.gp	Method	AAT/GAP
Start	22983	End	23240
GI	4879016	Score	348
Exons	22983..23240		
GI Descrip.	6041757/gb\|AC011806.1\|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33349	Strand	+
Start	23508	End	31879
Name	OJ990527_38.9B18.C4.o6.gs	Method	GENSCAN
Start	23508	End	31618
GI	none	Score	.58
Exons	23508..23616, 23970..24144, 24247..24311, 24497..24603, 26332..26925, 27320..27453, 27834..27983, 28216..28990, 29080..30018, 30042..30727, 30907..30931, 31217..31618		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33349	Strand	+
Start	23508	End	31879
Name	OJ990527_38.9B18.C4.o3.np	Method	AAT/NAP
Start	27320	End	31879
GI	4680179	Score	7219
Exons	27320..31879		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33350	Strand	+
Start	33443	End	34155
Name	OJ990527_38.9B18.C4.o5.np	Method	AAT/NAP
Start	33443	End	34155
GI	5852178	Score	147
Exons	33443..33832, 34058..34155		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33351	Strand	+
Start	43643	End	49027
Name	OJ990527_38.9B18.C4.o9.np	Method	AAT/NAP
Start	43643	End	45607
GI	1167523	Score	362
Exons	43643..44210, 45575..45607		
GI Descrip.	(D83003) ORF(AA 1-1338) [Nicotiana tabacum]		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33351	Strand	+
Start	43643	End	49027
Name	OJ990527_38.9B18.C4.o10.np	Method	AAT/NAP
Start	44174	End	44652
GI	6815052	Score	219
Exons	44174..44377, 44459..44652		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33351	Strand	+
Start	43643	End	49027
Name	OJ990527_38.9B18.C4.o11.gs	Method	GENSCAN
Start	44224	End	49027
GI	none	Score	.49
Exons	44224..44377, 45819..45937, 46094..46529, 48395..48512, 49006..49027		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33351	Strand	+
Start	43643	End	49027
Name	OJ990527_38.9B18.C4.o11.np	Method	AAT/NAP
Start	45881	End	46666
GI	4544372	Score	381
Exons	45881..46666		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33352	Strand	-
Start	1	End	135
Name	OJ990527_38.9B18.C4.o1.gp	Method	AAT/GAP
Start	1	End	135
GI	2312718	Score	254
Exons	1..135		
GI Descrip.	4512233/dbj\|AB014743.1\|AB014743 1.0e-176 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33353	Strand	-
Start	94	End	4854
Name	OJ990527_38.9B18.C4.o1.np	Method	AAT/NAP
Start	94	End	4854
GI	6705984	Score	8198
Exons	94..4854		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33354	Strand	-
Start	5880	End	6336
Name	OJ990527_38.9B18.C4.o2.gp	Method	AAT/GAP
Start	5880	End	6336
GI	25792_1.R1084	Score	903
Exons	5880..6336		
GI Descrip.	'4512233/dbj\|AB014743.1\|AB014743 0.0e+00 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence'		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33355	Strand	-
Start	6511	End	6899
Name	OJ990527_38.9B18.C4.o3.gp	Method	AAT/GAP
Start	6511	End	6899
GI	2312718	Score	649
Exons	6511..6899		
GI Descrip.	4512233/dbj\|AB014743.1\|AB014743 1.0e-176 Oryza sativa copia-type retrotransposon RIRE7 DNA, partial sequence		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33356	Strand	-
Start	7937	End	12007
Name	OJ990527_38.9B18.C4.o2.gs	Method	GENSCAN
Start	7937	End	12007
GI	none	Score	.58
Exons	7937..8415, 10596..10798, 11133..11196, 11600..11726, 11945..12007		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33357	Strand	-
Start	14244	End	15790
Name	OJ990527_38.9B18.C4.o3.gs	Method	GENSCAN
Start	14244	End	15790
GI	none	Score	.58
Exons	14244..14305, 14992..15124, 15632..15790		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33358	Strand	-
Start	17541	End	21845
Name	OJ990527_38.9B18.C4.o4.gs	Method	GENSCAN
Start	17541	End	21845
GI	none	Score	.54
Exons	17541..17732, 17768..17956, 19282..19400, 19613..19926, 20064..20400, 21620..21845		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33359	Strand	-
Start	22052	End	22642
Name	OJ990527_38.9B18.C4.o5.gs	Method	GENSCAN
Start	22052	End	22642
GI	none	Score	.64
Exons	22052..22435, 22583..22642		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o5.tm	Method	TBLASTX:Maize
Start	118	End	364
GI	none	Score	228
Exons	118..363, 119..364		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o8.tw	Method	TBLASTX:Wheat
Start	199	End	31834
GI	none	Score	444
Exons	199..282, 31412..31834, 31432..31716		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o6.ts	Method	TBLASTX:Soybean
Start	205	End	46719
GI	none	Score	242

Exons	205..276, 319..366, 46427..46672, 46471..46557, 46633..46719		
Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o4.tw	Method	TBLASTX:Wheat
Start	283	End	46288
GI	none	Score	334
Exons	283..681, 289..657, 290..679, 296..679, 31094..31276, 31094..31273, 46172..46288		
Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o1.tm	Method	TBLASTX:Maize
Start	499	End	31654
GI	none	Score	195
Exons	499..558, 565..720, 31057..31209, 31061..31213, 31074..31211, 31209..31274, 31213..31311, 31217..31654, 31337..31498, 31381..31641		
Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o12.tw	Method	TBLASTX:Wheat
Start	682	End	46120
GI	none	Score	84
Exons	682..900, 683..820, 30875..31054, 30876..31070, 31019..31093, 45926..46120		
Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o2.tm	Method	TBLASTX:Maize
Start	816	End	30947
GI	none	Score	179
Exons	816..980, 819..1154, 820..1164, 821..1165, 30639..30740, 30639..30728, 30758..30943, 30759..30947		
Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o4.ts	Method	TBLASTX:Soybean
Start	871	End	30917
GI	none	Score	71
Exons	871..1026, 872..1024, 30657..30917, 30662..30916		
Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o1.tc	Method	TBLASTX:Cress
Start	883	End	30893
GI	none	Score	268
Exons	883..1245, 884..1252, 30576..30743, 30747..30893, 30752..30892		
Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-

Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o3.tw	Method	TBLASTX:Wheat
Start	907	End	30869
GI	none	Score	558
Exons	907..1023, 1033..1194, 30378..30869, 30423..30836, 30613..30837, 30614..30868		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o1.tw	Method	TBLASTX:Wheat
Start	1197	End	30302
GI	none	Score	528
Exons	1197..1442, 1198..1623, 1199..1624, 30063..30302		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o7.ts	Method	TBLASTX:Soybean
Start	1340	End	30308
GI	none	Score	64
Exons	1340..1429, 1345..1431, 1427..1525, 1435..1539, 30147..30233, 30252..30308		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o3.tm	Method	TBLASTX:Maize
Start	1384	End	30312
GI	none	Score	91
Exons	1384..1737, 29950..30027, 29952..30026, 29953..30027, 29996..30034, 30002..30295, 30009..30302, 30026..30307, 30039..30311, 30061..30312		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o2.ts	Method	TBLASTX:Soybean
Start	1544	End	30128
GI	none	Score	216
Exons	1544..1774, 1544..1744, 1546..1800, 1561..1797, 29884..30027, 30060..30128		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o7.tw	Method	TBLASTX:Wheat
Start	1711	End	29976
GI	none	Score	97
Exons	1711..2112, 1811..2065, 29575..29733, 29576..29665, 29596..29976, 29619..29975		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o6.tm	Method	TBLASTX:Maize
Start	1739	End	29949

GI	none	Score	82
Exons	1739..1999, 1741..2064, 29596..29949, 29664..29873, 29665..29943		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o1.ts	Method	TBLASTX:Soybean
Start	1825	End	29862
GI	none	Score	118
Exons	1825..2184, 1826..2065, 2144..2179, 29467..29499, 29469..29498, 29499..29552, 29503..29862, 29503..29733, 29613..29861		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o4.tm	Method	TBLASTX:Maize
Start	2107	End	29550
GI	none	Score	144
Exons	2107..2574, 2150..2503, 29113..29550, 29200..29400, 29379..29546		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o6.tw	Method	TBLASTX:Wheat
Start	2161	End	29526
GI	none	Score	195
Exons	2161..2643, 2165..2548, 7613..7663, 7760..7819, 29059..29526, 29148..29522		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o8.tm	Method	TBLASTX:Maize
Start	2599	End	2847
GI	none	Score	190
Exons	2599..2748, 2600..2740, 2731..2847		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o14.tw	Method	TBLASTX:Wheat
Start	2689	End	2926
GI	none	Score	107
Exons	2689..2871, 2689..2919, 2693..2926		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o3.ts	Method	TBLASTX:Soybean
Start	2947	End	3408
GI	none	Score	66
Exons	2947..3147, 3139..3408, 3143..3376		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o7.tm	Method	TBLASTX:Maize

Start	2959	End	3222
GI	none	Score	131
Exons	2959..3222, 2977..3213, 3008..3217		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o5.tw	Method	TBLASTX:Wheat
Start	2977	End	3459
GI	none	Score	139
Exons	2977..3171, 3000..3185, 3005..3160, 3007..3177, 3176..3385, 3178..3459, 3191..3451		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o2.tw	Method	TBLASTX:Wheat
Start	3842	End	4413
GI	none	Score	281
Exons	3842..4216, 3842..3940, 3844..4197, 4040..4201, 4207..4413, 4225..4371, 4232..4396		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o5.ts	Method	TBLASTX:Soybean
Start	3970	End	4366
GI	none	Score	70
Exons	3970..4191, 4225..4365, 4232..4366		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o9.tm	Method	TBLASTX:Maize
Start	4174	End	4410
GI	none	Score	186
Exons	4174..4410, 4187..4408		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o16.tw	Method	TBLASTX:Wheat
Start	20060	End	20428
GI	none	Score	59
Exons	20060..20245, 20091..20174, 20300..20428		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o13.tw	Method	TBLASTX:Wheat
Start	21909	End	36795
GI	none	Score	102
Exons	21909..22016, 21990..22205, 22247..22336, 36366..36473, 36447..36644, 36679..36795		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-

Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o9.ts	Method	TBLASTX:Soybean
Start	21927	End	36795
GI	none	Score	65
Exons	21927..22205, 22247..22336, 36384..36641, 36691..36795		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o10.tw	Method	TBLASTX:Wheat
Start	27823	End	28188
GI	none	Score	243
Exons	27823..28122, 27828..28034, 28108..28188, 28140..28187		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o12.tm	Method	TBLASTX:Maize
Start	27826	End	28122
GI	none	Score	190
Exons	27826..28122, 27843..28013		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o11.tw	Method	TBLASTX:Wheat
Start	28466	End	28870
GI	none	Score	138
Exons	28466..28675, 28516..28614, 28697..28870, 28726..28869		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o4.np	Method	AAT/NAP
Start	32156	End	33618
GI	6721559	Score	439
Exons	32156..32286, 32318..32588, 33426..33618		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi\|6815084\|dbj\|BAA90370.1\| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o6.np	Method	AAT/NAP
Start	33289	End	36911
GI	2129618	Score	248
Exons	33289..33350, 36341..36911		
GI Descrip.	hypothetical protein 1 - Arabidopsis thaliana retrotransposon Athila gi\|806535\|emb\|CAA57397\| (X81801) Athila ORF 1 [Arabidopsis thaliana]		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o7.gs	Method	GENSCAN
Start	33318	End	34687

GI	none	Score	.78
Exons	33318..33823, 34609..34687		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o7.np	Method	AAT/NAP
Start	34996	End	38918
GI	6498441	Score	126
Exons	34996..35020, 38635..38918		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o6.gp	Method	AAT/GAP
Start	35243	End	35532
GI	61605_3.R1084	Score	469
Exons	35243..35532		
GI Descrip.	'1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o8.gs	Method	GENSCAN
Start	35640	End	35771
GI	none	Score	.51
Exons	35640..35771		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o9.gs	Method	GENSCAN
Start	36102	End	36812
GI	none	Score	.53
Exons	36102..36812		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o10.gs	Method	GENSCAN
Start	37098	End	42931
GI	none	Score	.55
Exons	37098..37217, 37293..37474, 37591..37693, 38654..39099, 39419..40359, 40458..41537, 41883..41937, 42173..42252, 42326..42427, 42460..42623, 42725..42931		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o15.tw	Method	TBLASTX:Wheat
Start	38642	End	38935
GI	none	Score	90
Exons	38642..38935, 38645..38896		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o8.ts	Method	TBLASTX:Soybean
Start	39342	End	39704
GI	none	Score	69
Exons	39342..39704, 39358..39636		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o11.tm	Method	TBLASTX:Maize
Start	40814	End	41182
GI	none	Score	55
Exons	40814..41032, 40911..41027, 41057..41182, 41058..41165		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o9.tw	Method	TBLASTX:Wheat
Start	43646	End	43993
GI	none	Score	379
Exons	43646..43993, 43671..43850, 43676..43957, 43678..43992		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o10.tm	Method	TBLASTX:Maize
Start	43667	End	44086
GI	none	Score	59
Exons	43667..43804, 43781..44086		

Seq. No.	15768	Seq. ID	OJ990527_38.9B18.C4
Gene No.	33360	Strand	-
Start	32156	End	46719
Name	OJ990527_38.9B18.C4.o17.tw	Method	TBLASTX:Wheat
Start	44066	End	44212
GI	none	Score	190
Exons	44066..44212, 44072..44212		

Seq. No.	15769	Seq. ID	OJ990527_38.9B18.C5
Gene No.	33361	Strand	-
Start	524	End	626
Name	OJ990527_38.9B18.C5.o1.tm	Method	TBLASTX:Maize
Start	100	End	315
GI	none	Score	76
Exons	100..315, 101..187		

Seq. No.	15769	Seq. ID	OJ990527_38.9B18.C5
Gene No.	33361	Strand	-
Start	524	End	626
Name	OJ990527_38.9B18.C5.o1.gs	Method	GENSCAN
Start	524	End	626
GI	none	Score	.5
Exons	524..626		

Seq. No.	15770	Seq. ID	OJ990527_29.9B22.C1
Gene No.	33362	Strand	-
Start	430	End	705
Name	OJ990527_29.9B22.C1.o1.tm	Method	TBLASTX:Maize
Start	137	End	616
GI	none	Score	797
Exons	137..616, 139..615		

Seq. No.	15770	Seq. ID	OJ990527_29.9B22.C1
Gene No.	33362	Strand	-
Start	430	End	705
Name	OJ990527_29.9B22.C1.o1.ts	Method	TBLASTX:Soybean
Start	357	End	617
GI	none	Score	418
Exons	357..617, 361..615		

Seq. No.	15770	Seq. ID	OJ990527_29.9B22.C1
Gene No.	33362	Strand	-
Start	430	End	705
Name	OJ990527_29.9B22.C1.o1.gs	Method	GENSCAN
Start	430	End	699
GI	none	Score	.96
Exons	430..699		

Seq. No.	15770	Seq. ID	OJ990527_29.9B22.C1
Gene No.	33362	Strand	-
Start	430	End	705
Name	OJ990527_29.9B22.C1.o1.np	Method	AAT/NAP
Start	433	End	705
GI	4757756	Score	307
Exons	433..705		
GI Descrip.	annexin A2 gi\|113950\|sp\|P07355\|ANX2_HUMAN ANNEXIN II (LIPOCORTIN II) (CALPACTIN I HEAVY CHAIN) (CHROMOBINDIN 8) (P36) (PROTEIN I) (PLACENTAL ANTICOAGULANT PROTEIN IV) (PAP-IV) gi\|71761\|pir\|\|LUHU36 annexin II - human gi\|219910\|dbj\|BAA00013\| (D00017) lipocortin II [Homo sapiens]		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33363	Strand	+
Start	1	End	1931
Name	OJ990527_29.9B22.C3.o1.np	Method	AAT/NAP
Start	1	End	1931
GI	128769	Score	2815
Exons	1..1931		
GI Descrip.	NADH-PLASTOQUINONE OXIDOREDUCTASE CHAIN 5, CHLOROPLAST gi\|66190\|pir\|\|DERZN5 NADH dehydrogenase (ubiquinone) (EC 1.6.5.3) chain 5 - rice chloroplast gi\|12047\|emb\|CAA33950\| (X15901) NADH dehydrogenase ND5 [Oryza sativa] gi\|226667\|prf\|\|1603356CU NADH dehydrogenase ND5 [Oryza sativa]		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33363	Strand	+
Start	1	End	1931
Name	OJ990527_29.9B22.C3.o1.gs	Method	GENSCAN
Start	442	End	561
GI	none	Score	.74
Exons	442..561		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33364	Strand	+
Start	1895	End	2387
Name	OJ990527_29.9B22.C3.o1.gp	Method	AAT/GAP
Start	1895	End	2387
GI	LIB3431-005-P1-N1-A5	Score	358
Exons	1895..2089, 2357..2387		
GI Descrip.	'131251/sp\|P12094\|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33365	Strand	+
Start	2753	End	7099
Name	OJ990527_29.9B22.C3.o3.np	Method	AAT/NAP
Start	2753	End	7099
GI	4680179	Score	3652
Exons	2753..3525, 3685..7099		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33366	Strand	+
Start	8193	End	8691
Name	OJ990527_29.9B22.C3.o2.gp	Method	AAT/GAP
Start	8193	End	8691
GI	LIB3477-003-P1-K1-E9	Score	101
Exons	8193..8233, 8631..8691		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33367	Strand	+
Start	10042	End	22268
Name	OJ990527_29.9B22.C3.o4.gs	Method	GENSCAN
Start	10042	End	22268
GI	none	Score	.63
Exons	10042..10092, 10324..10441, 11471..11596, 12320..12411, 12527..12642, 13269..13652, 14190..14337, 14637..14724, 16344..16452, 16531..16603, 17069..17281, 18741..18935, 19018..19095, 20089..20194, 20343..20379, 20428..20592, 21760..21898, 21964..22170, 22179..22268		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33367	Strand	+
Start	10042	End	22268
Name	OJ990527_29.9B22.C3.o4.np	Method	AAT/NAP
Start	14047	End	21737
GI	6041789	Score	1092
Exons	14047..14342, 14612..14724, 14864..14985, 16313..16452, 16531..16603, 16680..16768, 16889..16994, 17069..17281, 18741..18935, 19018..19104, 19893..20001, 21720..21737		

GI Descrip.	(AC009755) putative N2,N2-dimethylguanosine tRNA methyltransferase [Arabidopsis thaliana]		
Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33367	Strand	+
Start	10042	End	22268
Name	OJ990527_29.9B22.C3.o3.gp	Method	AAT/GAP
Start	17353	End	17512
GI	5455363	Score	111
Exons	17353..17382, 17447..17512		
GI Descrip.	3176667 1.0e-17 (AC004393) Similar to hypothetical 41.9KD protein gb_1001369 from sequence of Synechocystis sp. gb_D64006. [Arabidopsis thaliana]		
Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33368	Strand	+
Start	33869	End	34237
Name	OJ990527_29.9B22.C3.o7.gs	Method	GENSCAN
Start	33869	End	34237
GI	none	Score	.52
Exons	33869..34237		
Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33369	Strand	+
Start	37617	End	39398
Name	OJ990527_29.9B22.C3.o6.np	Method	AAT/NAP
Start	37617	End	39398
GI	5669782	Score	1769
Exons	37617..39398		
GI Descrip.	(AF108010) Hv1LRR2 [Hordeum vulgare]		
Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33370	Strand	+
Start	50435	End	57929
Name	OJ990527_29.9B22.C3.o9.np	Method	AAT/NAP
Start	49972	End	51846
GI	6815052	Score	1208
Exons	49972..50117, 50402..50537, 50586..51322, 51372..51446, 51728..51846		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		
Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33370	Strand	+
Start	50435	End	57929
Name	OJ990527_29.9B22.C3.o10.np	Method	AAT/NAP
Start	50372	End	57929
GI	1709526	Score	188
Exons	50372..50404, 51862..52043, 57878..57929		
GI Descrip.	PHOSPHATIDYLINOSITOL 3-KINASE 2 (PI3-KINASE) (PTDINS-3-KINASE) (PI3K) gi\|733522 (U23477) phosphatidylinositol-4,5-diphosphate 3-kinase [Dictyostelium discoideum]		
Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33370	Strand	+
Start	50435	End	57929
Name	OJ990527_29.9B22.C3.o11.gs	Method	GENSCAN
Start	50435	End	54732

GI	none	Score	.6
Exons	50435..50537, 51331..51462, 51728..51806, 53447..53634, 54185..54732		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33371	Strand	-
Start	1968	End	2174
Name	OJ990527_29.9B22.C3.o2.gs	Method	GENSCAN
Start	1968	End	2174
GI	none	Score	1
Exons	1968..2174		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33371	Strand	-
Start	1968	End	2174
Name	OJ990527_29.9B22.C3.o2.np	Method	AAT/NAP
Start	1971	End	2147
GI	82532	Score	192
Exons	1971..2147		
GI Descrip.	hypothetical 6K protein (rps15-trnL intergenic region) - rice chloroplast gi\|12046\|emb\|CAA33949\| (X15901) ORF56; 5' portion of ORF393 [Oryza sativa] gi\|226666\|prf\|\|1603356CT ORF 393 N term [Oryza sativa]		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33372	Strand	-
Start	22338	End	28216
Name	OJ990527_29.9B22.C3.o5.np	Method	AAT/NAP
Start	22338	End	28216
GI	4680183	Score	927
Exons	22338..22354, 23625..23909, 23997..24035, 24516..25665, 28188..28216		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33373	Strand	-
Start	29886	End	33165
Name	OJ990527_29.9B22.C3.o6.gs	Method	GENSCAN
Start	29886	End	33165
GI	none	Score	.63
Exons	29886..29981, 30206..30390, 31900..32110, 32271..32431, 33090..33165		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33374	Strand	-
Start	34726	End	35052
Name	OJ990527_29.9B22.C3.o8.gs	Method	GENSCAN
Start	34726	End	35052
GI	none	Score	.98
Exons	34726..35052		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33375	Strand	-
Start	36590	End	36651
Name	OJ990527_29.9B22.C3.o4.gp	Method	AAT/GAP
Start	36590	End	36651
GI	2312838	Score	77

Exons	36590..36651		
GI Descrip.	1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		
Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33376	Strand	-
Start	45650	End	50374
Name	OJ990527_29.9B22.C3.o10.gs	Method	GENSCAN
Start	45650	End	47792
GI	none	Score	.54
Exons	45650..46073, 46281..46520, 47484..47558, 47575..47792		
Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33376	Strand	-
Start	45650	End	50374
Name	OJ990527_29.9B22.C3.o7.np	Method	AAT/NAP
Start	45659	End	46665
GI	6069646	Score	408
Exons	45659..46665		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33376	Strand	-
Start	45650	End	50374
Name	OJ990527_29.9B22.C3.o8.np	Method	AAT/NAP
Start	45659	End	50374
GI	6069646	Score	406
Exons	45659..46665, 50339..50374		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33377	Strand	-
Start	56031	End	57255
Name	OJ990527_29.9B22.C3.o3.tc	Method	TBLASTX:Cress
Start	266	End	599
GI	none	Score	48
Exons	266..295, 268..294, 283..552, 299..598, 327..599		
Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33377	Strand	-
Start	56031	End	57255
Name	OJ990527_29.9B22.C3.o1.tc	Method	TBLASTX:Cress
Start	678	End	1169
GI	none	Score	684
Exons	678..1169, 682..1008, 752..1168		
Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33377	Strand	-
Start	56031	End	57255

Name	OJ990527_29.9B22.C3.o2.ts	Method	TBLASTX:Soybean
Start	840	End	1082
GI	none	Score	358
Exons	840..1082, 840..1016, 842..1081		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33377	Strand	-
Start	56031	End	57255
Name	OJ990527_29.9B22.C3.o9.ts	Method	TBLASTX:Soybean
Start	1971	End	2088
GI	none	Score	167
Exons	1971..2084, 1978..2082, 1978..2088		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33377	Strand	-
Start	56031	End	57255
Name	OJ990527_29.9B22.C3.o11.tw	Method	TBLASTX:Wheat
Start	2739	End	3110
GI	none	Score	244
Exons	2739..3110, 2766..2927, 2969..3109		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33377	Strand	-
Start	56031	End	57255
Name	OJ990527_29.9B22.C3.o12.tw	Method	TBLASTX:Wheat
Start	3696	End	4124
GI	none	Score	128
Exons	3696..3917, 3740..3853, 3930..4124, 3947..4042		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33377	Strand	-
Start	56031	End	57255
Name	OJ990527_29.9B22.C3.o4.tw	Method	TBLASTX:Wheat
Start	4247	End	4730
GI	none	Score	53
Exons	4247..4705, 4248..4304, 4313..4564, 4353..4730, 4353..4718		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33377	Strand	-
Start	56031	End	57255
Name	OJ990527_29.9B22.C3.o6.tm	Method	TBLASTX:Maize
Start	4353	End	23833
GI	none	Score	385
Exons	4353..4784, 4388..4702, 23621..23833		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33377	Strand	-
Start	56031	End	57255
Name	OJ990527_29.9B22.C3.o1.ts	Method	TBLASTX:Soybean
Start	4707	End	5067
GI	none	Score	264
Exons	4707..4922, 4823..4918, 4921..5067, 4938..5063		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33377	Strand	-
Start	56031	End	57255
Name	OJ990527_29.9B22.C3.o7.tw	Method	TBLASTX:Wheat

Start	4779	End	5079
GI	none	Score	168
Exons	4779..4919, 4779..4907, 4808..4948, 4823..4921, 4914..5063, 4924..5079		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33377	Strand	-
Start	56031	End	57255
Name	OJ990527_29.9B22.C3.o10.tm	Method	TBLASTX:Maize
Start	4803	End	5145
GI	none	Score	102
Exons	4803..4919, 4835..4915, 4912..5145, 4941..5144		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33377	Strand	-
Start	56031	End	57255
Name	OJ990527_29.9B22.C3.o2.tw	Method	TBLASTX:Wheat
Start	5082	End	5508
GI	none	Score	541
Exons	5082..5504, 5083..5508		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33377	Strand	-
Start	56031	End	57255
Name	OJ990527_29.9B22.C3.o7.ts	Method	TBLASTX:Soybean
Start	5089	End	5337
GI	none	Score	204
Exons	5089..5337, 5118..5333		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33377	Strand	-
Start	56031	End	57255
Name	OJ990527_29.9B22.C3.o3.tm	Method	TBLASTX:Maize
Start	5152	End	5513
GI	none	Score	489
Exons	5152..5508, 5157..5513		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33377	Strand	-
Start	56031	End	57255
Name	OJ990527_29.9B22.C3.o3.tw	Method	TBLASTX:Wheat
Start	5599	End	6084
GI	none	Score	514
Exons	5599..6084, 5613..6062, 5725..6084		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33377	Strand	-
Start	56031	End	57255
Name	OJ990527_29.9B22.C3.o5.tm	Method	TBLASTX:Maize
Start	5731	End	6150
GI	none	Score	390
Exons	5731..6150, 5731..5964, 5844..6140		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33377	Strand	-
Start	56031	End	57255
Name	OJ990527_29.9B22.C3.o5.tc	Method	TBLASTX:Cress

Start	5737	End	6102
GI	none	Score	50
Exons	5737..5781, 5791..5964, 5832..5954, 5965..6102, 5967..6092		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33377	Strand	-
Start	56031	End	57255
Name	OJ990527_29.9B22.C3.o6.ts	Method	TBLASTX:Soybean
Start	5877	End	6128
GI	none	Score	255
Exons	5877..6128, 5884..6126		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33377	Strand	-
Start	56031	End	57255
Name	OJ990527_29.9B22.C3.o1.tw	Method	TBLASTX:Wheat
Start	6091	End	6717
GI	none	Score	664
Exons	6091..6717, 6147..6572, 6633..6701		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33377	Strand	-
Start	56031	End	57255
Name	OJ990527_29.9B22.C3.o1.tm	Method	TBLASTX:Maize
Start	6271	End	6870
GI	none	Score	225
Exons	6271..6444, 6273..6425, 6430..6870, 6435..6572, 6636..6854		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33377	Strand	-
Start	56031	End	57255
Name	OJ990527_29.9B22.C3.o6.tw	Method	TBLASTX:Wheat
Start	6718	End	7050
GI	none	Score	325
Exons	6718..7050, 6732..6986		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33377	Strand	-
Start	56031	End	57255
Name	OJ990527_29.9B22.C3.o2.tm	Method	TBLASTX:Maize
Start	14628	End	17266
GI	none	Score	110
Exons	14628..14729, 14866..14988, 14868..14987, 14881..14997, 16304..16441, 16312..16443, 16313..16453, 16504..16629, 16520..16603, 16677..16769, 16685..16756, 16887..16982, 17090..17266, 17101..17205		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33377	Strand	-
Start	56031	End	57255
Name	OJ990527_29.9B22.C3.o2.tc	Method	TBLASTX:Cress
Start	16304	End	16982
GI	none	Score	201
Exons	16304..16450, 16312..16461, 16313..16453, 16519..16602, 16520..16603, 16677..16766, 16685..16756, 16857..16982		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3

Gene No.	33377	Strand	-
Start	56031	End	57255
Name	OJ990527_29.9B22.C3.o4.ts	Method	TBLASTX:Soybean
Start	16356	End	16769
GI	none	Score	65
Exons	16356..16445, 16356..16433, 16357..16449, 16358..16453, 16372..16455, 16519..16602, 16520..16603, 16541..16603, 16677..16769, 16685..16756		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33377	Strand	-
Start	56031	End	57255
Name	OJ990527_29.9B22.C3.o5.ts	Method	TBLASTX:Soybean
Start	17087	End	19095
GI	none	Score	232
Exons	17087..17290, 17096..17281, 18738..18938, 18738..18938, 18740..18940, 19018..19095		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33377	Strand	-
Start	56031	End	57255
Name	OJ990527_29.9B22.C3.o7.tm	Method	TBLASTX:Maize
Start	18738	End	19053
GI	none	Score	305
Exons	18738..18938, 18739..18936, 18740..18937, 19018..19053		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33377	Strand	-
Start	56031	End	57255
Name	OJ990527_29.9B22.C3.o10.tw	Method	TBLASTX:Wheat
Start	23754	End	24092
GI	none	Score	45
Exons	23754..23867, 23759..23830, 23803..24066, 23829..24092, 23886..24089		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33377	Strand	-
Start	56031	End	57255
Name	OJ990527_29.9B22.C3.o9.tw	Method	TBLASTX:Wheat
Start	24282	End	24665
GI	none	Score	92
Exons	24282..24665, 24310..24540		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33377	Strand	-
Start	56031	End	57255
Name	OJ990527_29.9B22.C3.o4.tc	Method	TBLASTX:Cress
Start	38091	End	39416
GI	none	Score	68
Exons	38091..38162, 38204..38242, 38271..38402, 38499..38549, 38574..38699, 38718..38885, 38895..38957, 39297..39416		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33377	Strand	-
Start	56031	End	57255
Name	OJ990527_29.9B22.C3.o3.ts	Method	TBLASTX:Soybean
Start	38301	End	39056

GI	none	Score	146
Exons	38301..38543, 38553..38696, 38742..38885, 38762..38923, 38904..39056		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33377	Strand	-
Start	56031	End	57255
Name	OJ990527_29.9B22.C3.o5.tw	Method	TBLASTX:Wheat
Start	38541	End	38869
GI	none	Score	45
Exons	38541..38867, 38542..38619, 38543..38869, 38544..38867, 38659..38868		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33377	Strand	-
Start	56031	End	57255
Name	OJ990527_29.9B22.C3.o9.tm	Method	TBLASTX:Maize
Start	38801	End	39083
GI	none	Score	288
Exons	38801..39055, 38802..39083		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33377	Strand	-
Start	56031	End	57255
Name	OJ990527_29.9B22.C3.o8.tw	Method	TBLASTX:Wheat
Start	39091	End	39518
GI	none	Score	307
Exons	39091..39153, 39179..39313, 39216..39518, 39217..39369, 39240..39491, 39437..39514		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33377	Strand	-
Start	56031	End	57255
Name	OJ990527_29.9B22.C3.o8.ts	Method	TBLASTX:Soybean
Start	39255	End	40223
GI	none	Score	178
Exons	39255..39614, 39879..40223, 39890..40156		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33377	Strand	-
Start	56031	End	57255
Name	OJ990527_29.9B22.C3.o4.tm	Method	TBLASTX:Maize
Start	39294	End	40226
GI	none	Score	211
Exons	39294..39602, 39603..39770, 39870..40226, 39935..40219		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33377	Strand	-
Start	56031	End	57255
Name	OJ990527_29.9B22.C3.o8.tm	Method	TBLASTX:Maize
Start	45677	End	46243
GI	none	Score	210
Exons	45677..45835, 45905..46243		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33377	Strand	-
Start	56031	End	57255

Name	OJ990527_29.9B22.C3.o11.tm	Method	TBLASTX:Maize
Start	46478	End	46703
GI	none	Score	126
Exons	46478..46702, 46479..46703		

Seq. No.	15771	Seq. ID	OJ990527_29.9B22.C3
Gene No.	33377	Strand	-
Start	56031	End	57255
Name	OJ990527_29.9B22.C3.o12.gs	Method	GENSCAN
Start	56031	End	57255
GI	none	Score	.6
Exons	56031..56210, 56626..56780, 57153..57255		

Seq. No.	15772	Seq. ID	OJ990527_29.9B22.C4
Gene No.	33378	Strand	-
Start	827	End	4234
Name	OJ990527_29.9B22.C4.o1.gs	Method	GENSCAN
Start	827	End	4234
GI	none	Score	.4
Exons	827..968, 2603..2932, 3368..3464, 3989..4140, 4167..4234		

Seq. No.	15773	Seq. ID	OJ990527_29.9B22.C5
Gene No.	33379	Strand	+
Start	263	End	505
Name	OJ990527_29.9B22.C5.o1.gs	Method	GENSCAN
Start	263	End	505
GI	none	Score	.66
Exons	263..505		

Seq. No.	15773	Seq. ID	OJ990527_29.9B22.C5
Gene No.	33380	Strand	-
Start	1291	End	2857
Name	OJ990527_29.9B22.C5.o2.gs	Method	GENSCAN
Start	1291	End	2857
GI	none	Score	.69
Exons	1291..1805, 1849..2151, 2530..2857		

Seq. No.	15773	Seq. ID	OJ990527_29.9B22.C5
Gene No.	33380	Strand	-
Start	1291	End	2857
Name	OJ990527_29.9B22.C5.o1.np	Method	AAT/NAP
Start	1318	End	2857
GI	6006374	Score	2127
Exons	1318..2857		
GI Descrip.	(AP000559) Similar to Rice tungro bacilliform virus; reverse transcriptase (D10774) [Oryza sativa]		

Seq. No.	15774	Seq. ID	OJ990527_29.9B22.C6
Gene No.	33381	Strand	+
Start	1	End	30622
Name	OJ990527_29.9B22.C6.o3.np	Method	AAT/NAP
Start	1	End	30622
GI	1491621	Score	155
Exons	1..42, 11140..11416, 13254..13420, 18038..18202, 18380..18584, 22332..22565, 25676..25840, 30411..30622		
GI Descrip.	(Z78205) UL36 [Bovine herpesvirus 1] gi\|2653311\|emb\|CAA06097\| (AJ004801) very large virion protein (tegument) [Bovine		

herpesvirus type 1.1]

Seq. No.	15774	Seq. ID	OJ990527_29.9B22.C6
Gene No.	33381	Strand	+
Start	1	End	30622
Name	OJ990527_29.9B22.C6.o1.gs	Method	GENSCAN
Start	1281	End	6776
GI	none	Score	.48
Exons	1281..1497, 2324..2444, 2952..3089, 3182..3501, 5497..5623, 6020..6162, 6378..6440, 6699..6776		

Seq. No.	15774	Seq. ID	OJ990527_29.9B22.C6
Gene No.	33381	Strand	+
Start	1	End	30622
Name	OJ990527_29.9B22.C6.o1.gp	Method	AAT/GAP
Start	2662	End	3017
GI	none	Score	416
Exons	2662..2831, 2952..3017		

Seq. No.	15774	Seq. ID	OJ990527_29.9B22.C6
Gene No.	33381	Strand	+
Start	1	End	30622
Name	OJ990527_29.9B22.C6.o1.np	Method	AAT/NAP
Start	2985	End	6794
GI	6646758	Score	478
Exons	2985..3065, 3365..3501, 5497..5611, 6005..6136, 6357..6443, 6524..6589, 6699..6794		
GI Descrip.	(AC013258) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	15774	Seq. ID	OJ990527_29.9B22.C6
Gene No.	33381	Strand	+
Start	1	End	30622
Name	OJ990527_29.9B22.C6.o2.gp	Method	AAT/GAP
Start	6506	End	7075
GI	37264_1.R1084	Score	794
Exons	6506..6589, 6699..7075		
GI Descrip.	'6041757/gb\|AC011806.1\|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	15774	Seq. ID	OJ990527_29.9B22.C6
Gene No.	33381	Strand	+
Start	1	End	30622
Name	OJ990527_29.9B22.C6.o3.gs	Method	GENSCAN
Start	13339	End	14836
GI	none	Score	.54
Exons	13339..13992, 14002..14151, 14157..14330, 14729..14836		

Seq. No.	15774	Seq. ID	OJ990527_29.9B22.C6
Gene No.	33381	Strand	+
Start	1	End	30622
Name	OJ990527_29.9B22.C6.o4.np	Method	AAT/NAP
Start	28505	End	30194
GI	3645898	Score	548
Exons	28505..29553, 29622..29990, 30066..30194		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	15774	Seq. ID	OJ990527_29.9B22.C6
Gene No.	33382	Strand	-
Start	9104	End	11821
Name	OJ990527_29.9B22.C6.o2.gs	Method	GENSCAN
Start	9104	End	11759
GI	none	Score	.64
Exons	9104..9126, 9465..10280, 11096..11759		

Seq. No.	15774	Seq. ID	OJ990527_29.9B22.C6
Gene No.	33382	Strand	-
Start	9104	End	11821
Name	OJ990527_29.9B22.C6.o2.np	Method	AAT/NAP
Start	11073	End	11821
GI	4262245	Score	457
Exons	11073..11821		
GI Descrip.	(AC006200) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	15774	Seq. ID	OJ990527_29.9B22.C6
Gene No.	33383	Strand	-
Start	17452	End	24248
Name	OJ990527_29.9B22.C6.o2.tm	Method	TBLASTX:Maize
Start	3283	End	5574
GI	none	Score	307
Exons	3283..3510, 3328..3504, 5496..5564, 5497..5574, 5497..5574		

Seq. No.	15774	Seq. ID	OJ990527_29.9B22.C6
Gene No.	33383	Strand	-
Start	17452	End	24248
Name	OJ990527_29.9B22.C6.o1.ts	Method	TBLASTX:Soybean
Start	3331	End	6767
GI	none	Score	228
Exons	3331..3501, 3349..3510, 3369..3503, 5496..5618, 5497..5622, 5501..5632, 6377..6442, 6378..6443, 6384..6443, 6523..6588, 6524..6634, 6689..6757, 6690..6767		

Seq. No.	15774	Seq. ID	OJ990527_29.9B22.C6
Gene No.	33383	Strand	-
Start	17452	End	24248
Name	OJ990527_29.9B22.C6.o1.tc	Method	TBLASTX:Cress
Start	3370	End	3510
GI	none	Score	91
Exons	3370..3426, 3397..3426, 3427..3510, 3441..3503		

Seq. No.	15774	Seq. ID	OJ990527_29.9B22.C6
Gene No.	33383	Strand	-
Start	17452	End	24248
Name	OJ990527_29.9B22.C6.o1.tm	Method	TBLASTX:Maize
Start	6367	End	7050
GI	none	Score	66
Exons	6367..6432, 6377..6442, 6378..6440, 6502..6579, 6523..6579, 6524..6634, 6689..6775, 6696..6776, 6697..6783, 6698..6775, 6793..6840, 6794..6841, 6795..6842, 6795..6842, 6843..6881, 6844..6882, 6847..6888, 6848..6889, 6932..7048, 6932..7042, 6933..7049, 6933..7046, 6946..7050		

Seq. No.	15774	Seq. ID	OJ990527_29.9B22.C6

Gene.No.	33383	Strand	-
Start	17452	End	24248
Name	OJ990527_29.9B22.C6.o3.tm	Method	TBLASTX:Maize
Start	9306	End	11453
GI	none	Score	43
Exons	9306..9341, 9306..9365, 9352..9420, 9352..9573, 9360..9422, 9362..9574, 11094..11264, 11095..11265, 11259..11366, 11301..11360, 11310..11453		

Seq. No.	15774	Seq. ID	OJ990527_29.9B22.C6
Gene No.	33383	Strand	-
Start	17452	End	24248
Name	OJ990527_29.9B22.C6.o5.gs	Method	GENSCAN
Start	17452	End	24248
GI	none	Score	.48
Exons	17452..17889, 18071..18166, 19536..19632, 20209..20378, 21764..22183, 22275..22609, 23241..23502, 23688..24248		

Seq. No.	15774	Seq. ID	OJ990527_29.9B22.C6
Gene No.	33384	Strand	
Start	28676	End	29100
Name	OJ990527_29.9B22.C6.o4.tm	Method	TBLASTX:Maize
Start	28676	End	29100
GI	none	Score	71
Exons	28676..28774, 28777..29100, 28792..28962		

Seq. No.	15775	Seq. ID	OJ990527_29.9B22.C7
Gene No.	33385	Strand	-
Start	1	End	151
Name	OJ990527_29.9B22.C7.o1.np	Method	AAT/NAP
Start	1	End	151
GI	418604	Score	269
Exons	1..151		
GI Descrip.	HYPOTHETICAL 35.6 KD PROTEIN IN RPME-TDK INTERGENIC REGION (ORFP)		

Seq. No.	15776	Seq. ID	OJ990517_22.9B05.C2
Gene No.	33386	Strand	+
Start	1	End	315
Name	OJ990517_22.9B05.C2.o1.np	Method	AAT/NAP
Start	1	End	315
GI	6742729	Score	480
Exons	1..315		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		

Seq. No.	15776	Seq. ID	OJ990517_22.9B05.C2
Gene No.	33386	Strand	+
Start	1	End	315
Name	OJ990517_22.9B05.C2.o1.tw	Method	TBLASTX:Wheat
Start	8	End	169
GI	none	Score	205
Exons	8..169, 9..164		

Seq. No.	15776	Seq. ID	OJ990517_22.9B05.C2
Gene No.	33386	Strand	+
Start	1	End	315
Name	OJ990517_22.9B05.C2.o1.ts	Method	TBLASTX:Soybean

Start	33	End	275
GI	none	Score	200
Exons	33..275, 119..217		

Seq. No.	15777	Seq. ID	OJ990517_22.9B05.C3
Gene No.	33387	Strand	-
Start	1	End	457
Name	OJ990517_22.9B05.C3.o1.np	Method	AAT/NAP
Start	1	End	457
GI	2129478	Score	89
Exons	1..457		
GI Descrip.	chitinase (EC 3.2.1.14) precursor - beet gi\|488731\|emb\|CAA55883\| (X79301) chitinase [Beta vulgaris] gi\|829258\|emb\|CAA56946\| (X81056) Chitinase [Beta vulgaris]		

Seq. No.	15777	Seq. ID	OJ990517_22.9B05.C3
Gene No.	33387	Strand	-
Start	1	End	457
Name	OJ990517_22.9B05.C3.o1.gs	Method	GENSCAN
Start	142	End	180
GI	none	Score	.62
Exons	142..180		

Seq. No.	15778	Seq. ID	OJ990517_22.9B05.C5
Gene No.	33388	Strand	-
Start	430	End	881
Name	OJ990517_22.9B05.C5.o1.np	Method	AAT/NAP
Start	430	End	881
GI	4680186	Score	76
Exons	430..601, 817..881		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	15779	Seq. ID	OJ990517_22.9B05.C6
Gene No.	33389	Strand	+
Start	416	End	1205
Name	OJ990517_22.9B05.C6.o1.gs	Method	GENSCAN
Start	416	End	1205
GI	none	Score	.69
Exons	416..803, 1093..1205		

Seq. No.	15780	Seq. ID	OJ990517_22.9B05.C7
Gene No.	33390	Strand	-
Start	533	End	2134
Name	OJ990517_22.9B05.C7.o1.gs	Method	GENSCAN
Start	533	End	2128
GI	none	Score	.85
Exons	533..709, 983..1055, 1143..1253, 1635..2128		

Seq. No.	15780	Seq. ID	OJ990517_22.9B05.C7
Gene No.	33390	Strand	-
Start	533	End	2134
Name	OJ990517_22.9B05.C7.o1.gp	Method	AAT/GAP
Start	1735	End	2134
GI	uC-osf1cyp176f10b1	Score	744
Exons	1735..2134		
GI Descrip.	'6041757/gb\|AC011806.1\|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence,		

complete sequence'

Seq. No.	15781	Seq. ID	OJ990517_22.9B05.C10
Gene No.	33391	Strand	+
Start	1	End	2272
Name	OJ990517_22.9B05.C10.o1.np	Method	AAT/NAP
Start	1	End	2263
GI	6815062	Score	1220
Exons	1..60, 152..1009, 1095..1335, 1394..1703, 1780..1878, 1948..2013, 2070..2263		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	15781	Seq. ID	OJ990517_22.9B05.C10
Gene No.	33391	Strand	+
Start	1	End	2272
Name	OJ990517_22.9B05.C10.o1.gs	Method	GENSCAN
Start	152	End	2272
GI	none	Score	.71
Exons	152..253, 404..1009, 1095..1303, 1409..1703, 1780..1878, 1948..2055, 2093..2272		

Seq. No.	15781	Seq. ID	OJ990517_22.9B05.C10
Gene No.	33391	Strand	+
Start	1	End	2272
Name	OJ990517_22.9B05.C10.o1.tm	Method	TBLASTX:Maize
Start	352	End	856
GI	none	Score	95
Exons	352..477, 353..487, 518..856, 518..754, 547..852		

Seq. No.	15781	Seq. ID	OJ990517_22.9B05.C10
Gene No.	33391	Strand	+
Start	1	End	2272
Name	OJ990517_22.9B05.C10.o2.tm	Method	TBLASTX:Maize
Start	1095	End	1703
GI	none	Score	221
Exons	1095..1304, 1145..1285, 1188..1304, 1401..1478, 1518..1703		

Seq. No.	15782	Seq. ID	OJ990517_22.9B05.C12
Gene No.	33392	Strand	+
Start	322	End	2489
Name	OJ990517_22.9B05.C12.o1.np	Method	AAT/NAP
Start	322	End	2489
GI	5091513	Score	1700
Exons	322..1018, 1762..2489		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	15782	Seq. ID	OJ990517_22.9B05.C12
Gene No.	33392	Strand	+
Start	322	End	2489
Name	OJ990517_22.9B05.C12.o1.gs	Method	GENSCAN
Start	414	End	2464
GI	none	Score	.57
Exons	414..758, 763..936, 1788..2464		

Seq. No.	15783	Seq. ID	OJ990517_22.9B05.C13

Gene No.	33393	Strand	+
Start	1	End	5488
Name	OJ990517_22.9B05.C13.o1.np	Method	AAT/NAP
Start	1	End	1597
GI	5091513	Score	100
Exons	1..321, 1451..1597		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	15783	Seq. ID	OJ990517_22.9B05.C13
Gene No.	33393	Strand	+
Start	1	End	5488
Name	OJ990517_22.9B05.C13.o1.gs	Method	GENSCAN
Start	180	End	5488
GI	none	Score	.48
Exons	180..483, 752..1049, 3543..3692, 3830..3892, 4572..4773, 5301..5488		

Seq. No.	15783	Seq. ID	OJ990517_22.9B05.C13
Gene No.	33394	Strand	+
Start	6721	End	7340
Name	OJ990517_22.9B05.C13.o2.gs	Method	GENSCAN
Start	6721	End	7340
GI	none	Score	.77
Exons	6721..6883, 7153..7340		

Seq. No.	15783	Seq. ID	OJ990517_22.9B05.C13
Gene No.	33395	Strand	-
Start	3820	End	4130
Name	OJ990517_22.9B05.C13.o1.gp	Method	AAT/GAP
Start	3820	End	4130
GI	61605_3.R1084	Score	414
Exons	3820..4130		
GI Descrip.	'1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	15783	Seq. ID	OJ990517_22.9B05.C13
Gene No.	33396	Strand	-
Start	6133	End	7370
Name	OJ990517_22.9B05.C13.o1.tm	Method	TBLASTX:Maize
Start	4584	End	4997
GI	none	Score	205
Exons	4584..4817, 4658..4816, 4812..4871, 4881..4997, 4886..4996		

Seq. No.	15783	Seq. ID	OJ990517_22.9B05.C13
Gene No.	33396	Strand	-
Start	6133	End	7370
Name	OJ990517_22.9B05.C13.o1.tw	Method	TBLASTX:Wheat
Start	4646	End	4940
GI	none	Score	258
Exons	4646..4939, 4656..4940		

Seq. No.	15783	Seq. ID	OJ990517_22.9B05.C13
Gene No.	33396	Strand	-
Start	6133	End	7370
Name	OJ990517_22.9B05.C13.o2.tm	Method	TBLASTX:Maize
Start	5143	End	5550
GI	none	Score	65

Exons	5143..5220, 5227..5550, 5352..5549		
Seq. No.	15783	Seq. ID	OJ990517_22.9B05.C13
Gene No.	33396	Strand	-
Start	6133	End	7370
Name	OJ990517_22.9B05.C13.o2.np	Method	AAT/NAP
Start	6133	End	7370
GI	5852175	Score	96
Exons	6133..6253, 6811..6862, 7293..7370		
GI Descrip.	(AL117265) zhb0005.1 [Oryza sativa]		
Seq. No.	15784	Seq. ID	OJ990517_22.9B05.C14
Gene No.	33397	Strand	-
Start	1	End	451
Name	OJ990517_22.9B05.C14.o1.np	Method	AAT/NAP
Start	1	End	446
GI	6063554	Score	162
Exons	1..18, 165..446		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	15784	Seq. ID	OJ990517_22.9B05.C14
Gene No.	33397	Strand	-
Start	1	End	451
Name	OJ990517_22.9B05.C14.o1.gs	Method	GENSCAN
Start	331	End	451
GI	none	Score	.7
Exons	331..451		
Seq. No.	15785	Seq. ID	OJ990517_22.9B05.C15
Gene No.	33398	Strand	+
Start	526	End	2261
Name	OJ990517_22.9B05.C15.o1.np	Method	AAT/NAP
Start	526	End	2258
GI	6907087	Score	599
Exons	526..904, 1081..1617, 2157..2258		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	15785	Seq. ID	OJ990517_22.9B05.C15
Gene No.	33398	Strand	+
Start	526	End	2261
Name	OJ990517_22.9B05.C15.o1.gs	Method	GENSCAN
Start	823	End	2261
GI	none	Score	.57
Exons	823..897, 1007..1075, 1211..1617, 1767..1887, 2158..2261		
Seq. No.	15785	Seq. ID	OJ990517_22.9B05.C15
Gene No.	33399	Strand	+
Start	12749	End	12945
Name	OJ990517_22.9B05.C15.o1.gp	Method	AAT/GAP
Start	12749	End	12945
GI	5771073	Score	334
Exons	12749..12945		
GI Descrip.	128186/sp\|P16081\|NIA1_ORYSA 1.0e-60 NITRATE REDUCTASE 1 (NR1)		

>gi_82490_pir__S07554 nitrate reductase (NADH) (EC 1.6.6.1) - rice

Seq. No.	15785	Seq. ID	OJ990517_22.9B05.C15
Gene No.	33400	Strand	-
Start	1	End	18074
Name	OJ990517_22.9B05.C15.o4.np	Method	AAT/NAP
Start	1	End	18064
GI	2134187	Score	82
Exons	1..37, 4176..4225, 15370..15419, 17970..18064		
GI Descrip.	XPolycomb - African clawed frog gi\|1086556 (U39929) XPolycomb [Xenopus laevis]		

Seq. No.	15785	Seq. ID	OJ990517_22.9B05.C15
Gene No.	33400	Strand	-
Start	1	End	18074
Name	OJ990517_22.9B05.C15.o2.np	Method	AAT/NAP
Start	2656	End	4600
GI	4680186	Score	116
Exons	2656..2888, 4494..4600		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	15785	Seq. ID	OJ990517_22.9B05.C15
Gene No.	33400	Strand	-
Start	1	End	18074
Name	OJ990517_22.9B05.C15.o2.gs	Method	GENSCAN
Start	3843	End	4982
GI	none	Score	.92
Exons	3843..4982		

Seq. No.	15785	Seq. ID	OJ990517_22.9B05.C15
Gene No.	33400	Strand	-
Start	1	End	18074
Name	OJ990517_22.9B05.C15.o4.gs	Method	GENSCAN
Start	7203	End	16119
GI	none	Score	.55
Exons	7203..7214, 8110..8238, 8352..8433, 8523..8982, 9089..9391, 9619..9708, 11793..12098, 12399..12985, 14565..15233, 15333..15419, 15738..15790, 16018..16119		

Seq. No.	15785	Seq. ID	OJ990517_22.9B05.C15
Gene No.	33400	Strand	-
Start	1	End	18074
Name	OJ990517_22.9B05.C15.o3.np	Method	AAT/NAP
Start	10962	End	12934
GI	1345561	Score	872
Exons	10962..11042, 12358..12934		
GI Descrip.	(X15820) nitrate reductase apoenzyme (AA 472-916) [Oryza sativa]		

Seq. No.	15785	Seq. ID	OJ990517_22.9B05.C15
Gene No.	33400	Strand	-
Start	1	End	18074
Name	OJ990517_22.9B05.C15.o1.tm	Method	TBLASTX:Maize
Start	12367	End	12934
GI	none	Score	466
Exons	12367..12759, 12377..12760, 12766..12933, 12767..12850, 12896..12934		

Seq. No.	15785	Seq. ID	OJ990517_22.9B05.C15
Gene No.	33400	Strand	-
Start	1	End	18074
Name	OJ990517_22.9B05.C15.o1.tc	Method	TBLASTX:Cress
Start	12370	End	12933
GI	none	Score	276
Exons	12370..12933, 12374..12763		

Seq. No.	15785	Seq. ID	OJ990517_22.9B05.C15
Gene No.	33400	Strand	-
Start	1	End	18074
Name	OJ990517_22.9B05.C15.o1.ts	Method	TBLASTX:Soybean
Start	12370	End	12934
GI	none	Score	88
Exons	12370..12750, 12385..12495, 12398..12778, 12790..12933, 12899..12934		

Seq. No.	15785	Seq. ID	OJ990517_22.9B05.C15
Gene No.	33400	Strand	-
Start	1	End	18074
Name	OJ990517_22.9B05.C15.o2.gp	Method	AAT/GAP
Start	13738	End	18074
GI	518_2.R1084	Score	2451
Exons	13738..14100, 14181..14241, 14565..15233, 15333..15419, 17970..18074		
GI Descrip.	'3107903/dbj\|BAA25905\| 8.0e-21 (D83719) polycomb-like protein [Daucus carota]'		

Seq. No.	15785	Seq. ID	OJ990517_22.9B05.C15
Gene No.	33400	Strand	-
Start	1	End	18074
Name	OJ990517_22.9B05.C15.o2.tm	Method	TBLASTX:Maize
Start	14016	End	18071
GI	none	Score	50
Exons	14016..14033, 14053..14100, 14054..14116, 14178..14243, 14179..14244, 14564..14650, 14565..14651, 14624..14722, 14650..14712, 14744..14941, 14745..14942, 14747..14947, 14948..14998, 14948..14998, 14949..14999, 15013..15087, 15026..15139, 15038..15097, 15126..15227, 15137..15235, 15332..15418, 15333..15419, 17969..18058, 17970..18071		

Seq. No.	15786	Seq. ID	OJ990517_22.9B05.C16
Gene No.	33401	Strand	+
Start	3570	End	3641
Name	OJ990517_22.9B05.C16.o2.gs	Method	GENSCAN
Start	3570	End	3641
GI	none	Score	.96
Exons	3570..3641		

Seq. No.	15786	Seq. ID	OJ990517_22.9B05.C16
Gene No.	33402	Strand	-
Start	1	End	2465
Name	OJ990517_22.9B05.C16.o1.np	Method	AAT/NAP
Start	1	End	2465
GI	6539570	Score	117
Exons	1..81, 2042..2122, 2268..2465		

GI Descrip. (AP000836) hypothetical protein [Oryza sativa]

Seq. No.	15786	Seq. ID	OJ990517_22.9B05.C16
Gene No.	33402	Strand	-
Start	1	End	2465
Name	OJ990517_22.9B05.C16.o1.gp	Method	AAT/GAP
Start	1900	End	1975
GI	LIB3477-003-P1-K1-E9	Score	112
Exons	1900..1975		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	15787	Seq. ID	OJ990517_22.9B05.C18
Gene No.	33403	Strand	+
Start	289	End	1803
Name	OJ990517_22.9B05.C18.o1.gs	Method	GENSCAN
Start	289	End	1803
GI	none	Score	.78
Exons	289..375, 841..954, 1505..1535, 1632..1803		

Seq. No.	15787	Seq. ID	OJ990517_22.9B05.C18
Gene No.	33404	Strand	+
Start	10825	End	11416
Name	OJ990517_22.9B05.C18.o1.np	Method	AAT/NAP
Start	10825	End	11416
GI	6721559	Score	412
Exons	10825..11253, 11284..11416		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi\|6815084\|dbj\|BAA90370.1\| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	15787	Seq. ID	OJ990517_22.9B05.C18
Gene No.	33405	Strand	+
Start	14715	End	19547
Name	OJ990517_22.9B05.C18.o1.gp	Method	AAT/GAP
Start	14715	End	15451
GI	101153_1.R1084	Score	366
Exons	14715..14758, 15199..15451		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	15787	Seq. ID	OJ990517_22.9B05.C18
Gene No.	33405	Strand	+
Start	14715	End	19547
Name	OJ990517_22.9B05.C18.o3.np	Method	AAT/NAP
Start	14884	End	19547
GI	6069646	Score	591
Exons	14884..14905, 19110..19547		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	15787	Seq. ID	OJ990517_22.9B05.C18
Gene No.	33405	Strand	+

Start	14715	End	19547
Name	OJ990517_22.9B05.C18.o2.gp	Method	AAT/GAP
Start	16420	End	16683
GI	61605_3.R1084	Score	438
Exons	16420..16683		
GI Descrip.	'1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	15787	Seq. ID	OJ990517_22.9B05.C18
Gene No.	33406	Strand	-
Start	2076	End	6628
Name	OJ990517_22.9B05.C18.o2.gs	Method	GENSCAN
Start	2076	End	6628
GI	none	Score	.65
Exons	2076..2660, 3431..3541, 5999..6628		

Seq. No.	15787	Seq. ID	OJ990517_22.9B05.C18
Gene No.	33407	Strand	-
Start	7904	End	11959
Name	OJ990517_22.9B05.C18.o3.gs	Method	GENSCAN
Start	7904	End	11959
GI	none	Score	.74
Exons	7904..8085, 9278..9455, 10320..10462, 10613..10678, 10771..10998, 11265..11325, 11858..11959		

Seq. No.	15787	Seq. ID	OJ990517_22.9B05.C18
Gene No.	33408	Strand	-
Start	12773	End	17252
Name	OJ990517_22.9B05.C18.o4.gs	Method	GENSCAN
Start	12773	End	17252
GI	none	Score	.57
Exons	12773..13211, 14273..14504, 14552..14846, 15165..15317, 15654..15733, 15789..15913, 16144..16219, 17213..17252		

Seq. No.	15787	Seq. ID	OJ990517_22.9B05.C18
Gene No.	33408	Strand	-
Start	12773	End	17252
Name	OJ990517_22.9B05.C18.o2.np	Method	AAT/NAP
Start	14273	End	14834
GI	5852179	Score	512
Exons	14273..14504, 14579..14834		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	15787	Seq. ID	OJ990517_22.9B05.C18
Gene No.	33409	Strand	-
Start	19130	End	21312
Name	OJ990517_22.9B05.C18.o1.tm	Method	TBLASTX:Maize
Start	2048	End	2690
GI	none	Score	135
Exons	2048..2266, 2094..2261, 2097..2303, 2111..2308, 2379..2690, 2447..2653, 2451..2669		

Seq. No.	15787	Seq. ID	OJ990517_22.9B05.C18
Gene No.	33409	Strand	-
Start	19130	End	21312
Name	OJ990517_22.9B05.C18.o3.tw	Method	TBLASTX:Wheat
Start	17035	End	17298

GI	none	Score	52
Exons	17035..17100, 17080..17298, 17088..17297		

Seq. No.	15787	Seq. ID	OJ990517_22.9B05.C18
Gene No.	33409	Strand	-
Start	19130	End	21312
Name	OJ990517_22.9B05.C18.o4.tw	Method	TBLASTX:Wheat
Start	19092	End	19421
GI	none	Score	169
Exons	19092..19262, 19120..19266, 19389..19421		

Seq. No.	15787	Seq. ID	OJ990517_22.9B05.C18
Gene No.	33409	Strand	-
Start	19130	End	21312
Name	OJ990517_22.9B05.C18.o3.tm	Method	TBLASTX:Maize
Start	19101	End	19532
GI	none	Score	191
Exons	19101..19307, 19102..19308, 19371..19532		

Seq. No.	15787	Seq. ID	OJ990517_22.9B05.C18
Gene No.	33409	Strand	-
Start	19130	End	21312
Name	OJ990517_22.9B05.C18.o5.gs	Method	GENSCAN
Start	19130	End	21124
GI	none	Score	.74
Exons	19130..19212, 19360..19537, 21066..21124		

Seq. No.	15787	Seq. ID	OJ990517_22.9B05.C18
Gene No.	33409	Strand	-
Start	19130	End	21312
Name	OJ990517_22.9B05.C18.o2.tm	Method	TBLASTX:Maize
Start	20262	End	21168
GI	none	Score	343
Exons	20262..20720, 20327..20563, 20585..20722, 20724..20798, 20729..20800, 20792..21058, 21055..21168		

Seq. No.	15787	Seq. ID	OJ990517_22.9B05.C18
Gene No.	33409	Strand	-
Start	19130	End	21312
Name	OJ990517_22.9B05.C18.o1.tw	Method	TBLASTX:Wheat
Start	20276	End	20591
GI	none	Score	282
Exons	20276..20557, 20295..20591		

Seq. No.	15787	Seq. ID	OJ990517_22.9B05.C18
Gene No.	33409	Strand	-
Start	19130	End	21312
Name	OJ990517_22.9B05.C18.o1.ts	Method	TBLASTX:Soybean
Start	20801	End	21312
GI	none	Score	78
Exons	20801..20959, 20996..21058, 21054..21152, 21055..21153, 21142..21312		

Seq. No.	15787	Seq. ID	OJ990517_22.9B05.C18
Gene No.	33409	Strand	-
Start	19130	End	21312
Name	OJ990517_22.9B05.C18.o2.tw	Method	TBLASTX:Wheat

Start	21057	End	21312
GI	none	Score	206
Exons	21057..21284, 21058..21312		

Seq. No.	15788	Seq. ID	OJ990517_22.9B05.C19
Gene No.	33410	Strand	+
Start	7307	End	7877
Name	OJ990517_22.9B05.C19.o1.gp	Method	AAT/GAP
Start	7307	End	7877
GI	4879016	Score	820
Exons	7307..7877		
GI Descrip.	6041757/gb\|AC011806.1\|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	15788	Seq. ID	OJ990517_22.9B05.C19
Gene No.	33411	Strand	-
Start	1	End	8311
Name	OJ990517_22.9B05.C19.o1.np	Method	AAT/NAP
Start	1	End	4623
GI	4680207	Score	382
Exons	1..575, 603..1360, 4524..4623		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	15788	Seq. ID	OJ990517_22.9B05.C19
Gene No.	33411	Strand	-
Start	1	End	8311
Name	OJ990517_22.9B05.C19.o1.ts	Method	TBLASTX:Soybean
Start	383	End	1321
GI	none	Score	82
Exons	383..508, 617..718, 971..1321, 1140..1277		

Seq. No.	15788	Seq. ID	OJ990517_22.9B05.C19
Gene No.	33411	Strand	-
Start	1	End	8311
Name	OJ990517_22.9B05.C19.o1.gs	Method	GENSCAN
Start	617	End	8311
GI	none	Score	.67
Exons	617..786, 1761..1949, 2519..2607, 3312..3340, 3440..4024, 4062..4245, 4566..4675, 4955..5206, 5609..5634, 5945..6149, 6279..6693, 8187..8311		

Seq. No.	15788	Seq. ID	OJ990517_22.9B05.C19
Gene No.	33411	Strand	-
Start	1	End	8311
Name	OJ990517_22.9B05.C19.o2.tw	Method	TBLASTX:Wheat
Start	947	End	1234
GI	none	Score	71
Exons	947..1234, 951..1094, 991..1161, 1143..1208		

Seq. No.	15788	Seq. ID	OJ990517_22.9B05.C19
Gene No.	33411	Strand	-
Start	1	End	8311
Name	OJ990517_22.9B05.C19.o1.tm	Method	TBLASTX:Maize
Start	953	End	1289
GI	none	Score	70

Exons	953..1285, 957..1091, 989..1105, 1140..1289		
Seq. No.	15788	Seq. ID	OJ990517_22.9B05.C19
Gene No.	33411	Strand	-
Start	1	End	8311
Name	OJ990517_22.9B05.C19.o2.np	Method	AAT/NAP
Start	3563	End	8128
GI	4325357	Score	397
Exons	3563..4197, 6177..6769, 8088..8128		
GI Descrip.	(AF128395) contains similarity to Arabidopsis thaliana retrotransposon Athila hypothetical protein 1 (GB:X81801) [Arabidopsis thaliana]		
Seq. No.	15788	Seq. ID	OJ990517_22.9B05.C19
Gene No.	33411	Strand	-
Start	1	End	8311
Name	OJ990517_22.9B05.C19.o3.tw	Method	TBLASTX:Wheat
Start	3902	End	4273
GI	none	Score	82
Exons	3902..4087, 3903..4085, 4130..4273		
Seq. No.	15788	Seq. ID	OJ990517_22.9B05.C19
Gene No.	33411	Strand	-
Start	1	End	8311
Name	OJ990517_22.9B05.C19.o2.ts	Method	TBLASTX:Soybean
Start	6246	End	6656
GI	none	Score	70
Exons	6246..6524, 6564..6656		
Seq. No.	15788	Seq. ID	OJ990517_22.9B05.C19
Gene No.	33411	Strand	-
Start	1	End	8311
Name	OJ990517_22.9B05.C19.o1.tw	Method	TBLASTX:Wheat
Start	6309	End	6656
GI	none	Score	104
Exons	6309..6524, 6540..6656		
Seq. No.	15789	Seq. ID	OJ990517_22.9B05.C20
Gene No.	33412	Strand	-
Start	1	End	516
Name	OJ990517_22.9B05.C20.o1.np	Method	AAT/NAP
Start	1	End	516
GI	6907106	Score	308
Exons	1..516		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	15789	Seq. ID	OJ990517_22.9B05.C20
Gene No.	33413	Strand	-
Start	658	End	741
Name	OJ990517_22.9B05.C20.o1.tm	Method	TBLASTX:Maize
Start	1	End	269
GI	none	Score	121
Exons	1..144, 1..48, 3..104, 10..237, 75..236, 93..269, 108..167, 145..249, 146..268		
Seq. No.	15789	Seq. ID	OJ990517_22.9B05.C20

Gene No.	33413	Strand	-
Start	658	End	741
Name	OJ990517_22.9B05.C20.o1.gp	Method	AAT/GAP
Start	658	End	741
GI	1631463	Score	123
Exons	658..741		
GI Descrip.	4680178/gb\|AF111709.1\|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	15790	Seq. ID	OJ990517_22.9B05.C21
Gene No.	33414	Strand	+
Start	182	End	285
Name	OJ990517_22.9B05.C21.o1.gs	Method	GENSCAN
Start	182	End	285
GI	none	Score	.94
Exons	182..285		

Seq. No.	15791	Seq. ID	OJ990517_22.9B05.C22
Gene No.	33415	Strand	-
Start	25	End	620
Name	OJ990517_22.9B05.C22.o1.gs	Method	GENSCAN
Start	25	End	620
GI	none	Score	.9
Exons	25..360, 612..620		

Seq. No.	15792	Seq. ID	OJ990517_22.9B05.C24
Gene No.	33416	Strand	-
Start	592	End	697
Name	OJ990517_22.9B05.C24.o1.gs	Method	GENSCAN
Start	592	End	697
GI	none	Score	.82
Exons	592..697		

Seq. No.	15793	Seq. ID	OJ990517_22.9B05.C27
Gene No.	33417	Strand	-
Start	208	End	214
Name	OJ990517_22.9B05.C27.o1.gs	Method	GENSCAN
Start	208	End	214
GI	none	Score	.98
Exons	208..214		

Seq. No.	15794	Seq. ID	OJ990517_22.9B05.C28
Gene No.	33418	Strand	+
Start	797	End	1075
Name	OJ990517_22.9B05.C28.o1.np	Method	AAT/NAP
Start	797	End	1075
GI	6721559	Score	213
Exons	797..1075		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi\|6815084\|dbj\|BAA90370.1\| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	15794	Seq. ID	OJ990517_22.9B05.C28
Gene No.	33419	Strand	-
Start	328	End	907
Name	OJ990517_22.9B05.C28.o1.gs	Method	GENSCAN

Start	328	End	907
GI	none	Score	.46
Exons	328..456, 527..548, 554..650, 799..907		

Seq. No.	15795	Seq. ID	OJ990517_22.9B05.C29
Gene No.	33420	Strand	+
Start	343	End	8118
Name	OJ990517_22.9B05.C29.o1.gs	Method	GENSCAN
Start	343	End	5767
GI	none	Score	.55
Exons	343..842, 1380..1586, 2947..3160, 3287..3644, 4079..5767		

Seq. No.	15795	Seq. ID	OJ990517_22.9B05.C29
Gene No.	33420	Strand	+
Start	343	End	8118
Name	OJ990517_22.9B05.C29.o1.np	Method	AAT/NAP
Start	511	End	7399
GI	4680207	Score	1145
Exons	511..598, 966..993, 2972..3754, 4108..5706, 7342..7399		
GI Descrip.	(AF114171) disease resistance protein RPM1 homolog [Sorghum bicolor]		

Seq. No.	15795	Seq. ID	OJ990517_22.9B05.C29
Gene No.	33420	Strand	+
Start	343	End	8118
Name	OJ990517_22.9B05.C29.o1.gp	Method	AAT/GAP
Start	2907	End	3137
GI	3768083	Score	450
Exons	2907..3137		

Seq. No.	15795	Seq. ID	OJ990517_22.9B05.C29
Gene No.	33420	Strand	+
Start	343	End	8118
Name	OJ990517_22.9B05.C29.o2.gs	Method	GENSCAN
Start	6416	End	8118
GI	none	Score	.59
Exons	6416..6532, 7193..7305, 7357..7609, 7713..7850, 7984..8118		

Seq. No.	15795	Seq. ID	OJ990517_22.9B05.C29
Gene No.	33420	Strand	+
Start	343	End	8118
Name	OJ990517_22.9B05.C29.o2.gp	Method	AAT/GAP
Start	7396	End	8084
GI	26835_2.R1084	Score	844
Exons	7396..7609, 7713..7850, 7984..8084		
GI Descrip.	'6041757/gb\|AC011806.1\|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	15795	Seq. ID	OJ990517_22.9B05.C29
Gene No.	33420	Strand	+
Start	343	End	8118
Name	OJ990517_22.9B05.C29.o2.np	Method	AAT/NAP
Start	7487	End	8115
GI	464470	Score	618
Exons	7487..7609, 7713..7850, 7984..8115		
GI Descrip.	PROFILIN 3 gi\|422033\|pir\|\|S35798 profilin 3 - maize		

gi|313142|emb|CAA51720| (X73281) profilin 3 [Zea mays]

Seq. No.	15795	Seq. ID	OJ990517_22.9B05.C29
Gene No.	33421	Strand	+
Start	14005	End	14573
Name	OJ990517_22.9B05.C29.o3.gp	Method	AAT/GAP
Start	14005	End	14573
GI	4879016	Score	880
Exons	14005..14573		
GI Descrip.	6041757/gb\|AC011806.1\|AC011806 0.0e+00 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence		

Seq. No.	15795	Seq. ID	OJ990517_22.9B05.C29
Gene No.	33422	Strand	+
Start	19564	End	19958
Name	OJ990517_22.9B05.C29.o5.gp	Method	AAT/GAP
Start	19564	End	19958
GI	none	Score	600
Exons	19564..19958		

Seq. No.	15795	Seq. ID	OJ990517_22.9B05.C29
Gene No.	33423	Strand	-
Start	9449	End	14511
Name	OJ990517_22.9B05.C29.o3.gs	Method	GENSCAN
Start	9449	End	14511
GI	none	Score	.61
Exons	9449..9568, 9875..9997, 10097..10198, 13586..13705, 14344..14511		

Seq. No.	15795	Seq. ID	OJ990517_22.9B05.C29
Gene No.	33424	Strand	-
Start	17055	End	23486
Name	OJ990517_22.9B05.C29.o3.ts	Method	TBLASTX:Soybean
Start	4023	End	4747
GI	none	Score	73
Exons	4023..4091, 4190..4360, 4300..4323, 4429..4566, 4430..4573, 4576..4632, 4580..4747		

Seq. No.	15795	Seq. ID	OJ990517_22.9B05.C29
Gene No.	33424	Strand	-
Start	17055	End	23486
Name	OJ990517_22.9B05.C29.o5.tm	Method	TBLASTX:Maize
Start	4261	End	4774
GI	none	Score	74
Exons	4261..4341, 4274..4342, 4423..4611, 4427..4576, 4601..4774, 4601..4726		

Seq. No.	15795	Seq. ID	OJ990517_22.9B05.C29
Gene No.	33424	Strand	-
Start	17055	End	23486
Name	OJ990517_22.9B05.C29.o3.tw	Method	TBLASTX:Wheat
Start	4478	End	4794
GI	none	Score	120
Exons	4478..4600, 4483..4611, 4577..4762, 4597..4794		

Seq. No.	15795	Seq. ID	OJ990517_22.9B05.C29
Gene No.	33424	Strand	-

Start	17055	End	23486
Name	OJ990517_22.9B05.C29.o1.tm	Method	TBLASTX:Maize
Start	7451	End	17684
GI	none	Score	252
Exons	7451..7615, 7477..7614, 7592..7642, 7707..7856, 7712..7861, 7712..7858, 7765..7860, 7929..8117, 7957..8118, 7957..8118, 7961..8122, 17056..17214, 17058..17225, 17303..17452, 17304..17399, 17311..17427, 17311..17457, 17312..17452, 17549..17683, 17550..17684		

Seq. No.	15795	Seq. ID	OJ990517_22.9B05.C29
Gene No.	33424	Strand	-
Start	17055	End	23486
Name	OJ990517_22.9B05.C29.o1.tw	Method	TBLASTX:Wheat
Start	7468	End	17684
GI	none	Score	216
Exons	7468..7605, 7469..7606, 7712..7849, 7713..7850, 7762..7851, 7981..8118, 7983..8120, 7983..8120, 17053..17199, 17053..17190, 17058..17192, 17110..17193, 17111..17218, 17308..17451, 17313..17402, 17315..17452, 17558..17683, 17559..17684		

Seq. No.	15795	Seq. ID	OJ990517_22.9B05.C29
Gene No.	33424	Strand	-
Start	17055	End	23486
Name	OJ990517_22.9B05.C29.o2.tc	Method	TBLASTX:Cress
Start	7475	End	17692
GI	none	Score	91
Exons	7475..7531, 7483..7527, 7532..7609, 7534..7614, 7710..7787, 7712..7780, 7788..7850, 7799..7861, 7802..7849, 7981..8118, 7983..8126, 7983..8114, 17058..17192, 17059..17190, 17303..17365, 17314..17376, 17315..17362, 17377..17454, 17384..17452, 17555..17632, 17559..17630, 17633..17692, 17637..17681		

Seq. No.	15795	Seq. ID	OJ990517_22.9B05.C29
Gene No.	33424	Strand	-
Start	17055	End	23486
Name	OJ990517_22.9B05.C29.o2.ts	Method	TBLASTX:Soybean
Start	7486	End	17678
GI	none	Score	203
Exons	7486..7614, 7487..7615, 7712..7849, 7713..7850, 7737..7850, 7777..7851, 7780..7869, 7981..8118, 7983..8114, 17058..17192, 17059..17190, 17295..17384, 17313..17387, 17314..17427, 17314..17451, 17315..17452, 17549..17677, 17550..17678		

Seq. No.	15795	Seq. ID	OJ990517_22.9B05.C29
Gene No.	33424	Strand	-
Start	17055	End	23486
Name	OJ990517_22.9B05.C29.o4.gp	Method	AAT/GAP
Start	16674	End	17783
GI	26835_1.R1084	Score	1679
Exons	16674..17189, 17314..17451, 17555..17783		
GI Descrip.	'464470/sp\|P35083\|PRO3_MAIZE 8.0e-68 PROFILIN 3 >gi_422033_pir__S35798 profilin 3 - maize >gi_313142_emb_CAA51720_ (X73281) profilin 3 [Zea mays]'		

Seq. No.	15795	Seq. ID	OJ990517_22.9B05.C29

Gene No.	33424	Strand	-
Start	17055	End	23486
Name	OJ990517_22.9B05.C29.o5.gs	Method	GENSCAN
Start	17055	End	22666
GI	none	Score	.72
Exons	17055..17189, 17314..17451, 17555..17768, 19826..19969, 20063..20171, 20882..21105, 21303..21418, 21607..21862, 21938..22025, 22162..22233, 22568..22666		

Seq. No.	15795	Seq. ID	OJ990517_22.9B05.C29
Gene No.	33424	Strand	-
Start	17055	End	23486
Name	OJ990517_22.9B05.C29.o3.np	Method	AAT/NAP
Start	18893	End	23486
GI	1236961	Score	893
Exons	18893..18953, 19790..19965, 20062..20171, 20368..20470, 20636..20660, 20865..21105, 21303..21418, 21607..21862, 21938..22025, 22162..22239, 22421..22496, 22608..22666, 23219..23486		
GI Descrip.	(U50201) prunasin hydrolase precursor [Prunus serotina]		

Seq. No.	15795	Seq. ID	OJ990517_22.9B05.C29
Gene No.	33424	Strand	-
Start	17055	End	23486
Name	OJ990517_22.9B05.C29.o4.tm	Method	TBLASTX:Maize
Start	19805	End	19971
GI	none	Score	59
Exons	19805..19858, 19807..19860, 19858..19971, 19862..19969		

Seq. No.	15795	Seq. ID	OJ990517_22.9B05.C29
Gene No.	33424	Strand	-
Start	17055	End	23486
Name	OJ990517_22.9B05.C29.o5.ts	Method	TBLASTX:Soybean
Start	19807	End	23327
GI	none	Score	133
Exons	19807..19968, 19820..19969, 20366..20473, 23205..23327		

Seq. No.	15795	Seq. ID	OJ990517_22.9B05.C29
Gene No.	33424	Strand	-
Start	17055	End	23486
Name	OJ990517_22.9B05.C29.o3.tc	Method	TBLASTX:Cress
Start	19810	End	20175
GI	none	Score	109
Exons	19810..19854, 19861..19971, 19865..19969, 20062..20175		

Seq. No.	15795	Seq. ID	OJ990517_22.9B05.C29
Gene No.	33424	Strand	-
Start	17055	End	23486
Name	OJ990517_22.9B05.C29.o4.tw	Method	TBLASTX:Wheat
Start	19810	End	20422
GI	none	Score	125
Exons	19810..19968, 19817..19972, 20364..20420, 20366..20422		

Seq. No.	15795	Seq. ID	OJ990517_22.9B05.C29
Gene No.	33424	Strand	-
Start	17055	End	23486
Name	OJ990517_22.9B05.C29.o3.tm	Method	TBLASTX:Maize

Start	20364	End	21346
GI	none	Score	119
Exons	20364..20471, 20366..20473, 20380..20472, 20883..21110, 20887..21111, 21302..21346		

Seq. No.	15795	Seq. ID	OJ990517_22.9B05.C29
Gene No.	33424	Strand	-
Start	17055	End	23486
Name	OJ990517_22.9B05.C29.o4.ts	Method	TBLASTX:Soybean
Start	20889	End	21102
GI	none	Score	151
Exons	20889..21098, 20902..21102		

Seq. No.	15795	Seq. ID	OJ990517_22.9B05.C29
Gene No.	33424	Strand	-
Start	17055	End	23486
Name	OJ990517_22.9B05.C29.o2.tw	Method	TBLASTX:Wheat
Start	20952	End	22505
GI	none	Score	81
Exons	20952..21110, 20968..21111, 21302..21409, 21610..21861, 21652..21861, 21937..22023, 21941..22024, 22169..22234, 22422..22505		

Seq. No.	15795	Seq. ID	OJ990517_22.9B05.C29
Gene No.	33424	Strand	-
Start	17055	End	23486
Name	OJ990517_22.9B05.C29.o1.ts	Method	TBLASTX:Soybean
Start	21353	End	22634
GI	none	Score	108
Exons	21353..21424, 21604..21846, 21607..21858, 21608..21865, 21923..22060, 21937..22026, 21939..22031, 22160..22234, 22419..22502, 22425..22496, 22600..22632, 22602..22634		

Seq. No.	15795	Seq. ID	OJ990517_22.9B05.C29
Gene No.	33424	Strand	-
Start	17055	End	23486
Name	OJ990517_22.9B05.C29.o2.tm	Method	TBLASTX:Maize
Start	21365	End	23327
GI	none	Score	86
Exons	21365..21424, 21588..21764, 21598..21858, 21606..21737, 21607..21846, 21608..21853, 21932..21988, 21937..21987, 21958..22023, 21977..22027, 21979..22026, 22148..22222, 22160..22234, 22206..22232, 22419..22502, 22425..22502, 22600..22668, 22602..22667, 23220..23327, 23221..23289		

Seq. No.	15795	Seq. ID	OJ990517_22.9B05.C29
Gene No.	33424	Strand	-
Start	17055	End	23486
Name	OJ990517_22.9B05.C29.o1.tc	Method	TBLASTX:Cress
Start	21607	End	22234
GI	none	Score	237
Exons	21607..21861, 21608..21865, 21755..21862, 21932..22027, 21937..22026, 22160..22234		

Seq. No.	15795	Seq. ID	OJ990517_22.9B05.C29
Gene No.	33424	Strand	-
Start	17055	End	23486

Name	OJ990517_22.9B05.C29.o6.gp	Method	AAT/GAP
Start	21607	End	23290
GI	29328_1.R1084	Score	1085
Exons	21607..21862, 21938..22025, 22162..22233, 22421..22496, 22608..22666, 23222..23290		
GI Descrip.	'4680178/gb\|AF111709.1\|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	15796	Seq. ID	OJ990517_22.9B05.C31
Gene No.	33425	Strand	-
Start	1	End	1053
Name	OJ990517_22.9B05.C31.o1.np	Method	AAT/NAP
Start	1	End	1053
GI	4680204	Score	667
Exons	1..1053		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	15796	Seq. ID	OJ990517_22.9B05.C31
Gene No.	33425	Strand	-
Start	1	End	1053
Name	OJ990517_22.9B05.C31.o1.tw	Method	TBLASTX:Wheat
Start	314	End	717
GI	none	Score	84
Exons	314..484, 447..614, 479..715, 566..715, 577..717, 607..717		

Seq. No.	15797	Seq. ID	OJ990517_22.9B05.C33
Gene No.	33426	Strand	+
Start	2749	End	7311
Name	OJ990517_22.9B05.C33.o2.np	Method	AAT/NAP
Start	2749	End	7311
GI	4680179	Score	7857
Exons	2749..7311		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	15797	Seq. ID	OJ990517_22.9B05.C33
Gene No.	33427	Strand	+
Start	10776	End	10980
Name	OJ990517_22.9B05.C33.o3.np	Method	AAT/NAP
Start	10776	End	10980
GI	4680186	Score	234
Exons	10776..10980		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	15797	Seq. ID	OJ990517_22.9B05.C33
Gene No.	33428	Strand	-
Start	9527	End	14288
Name	OJ990517_22.9B05.C33.o7.tw	Method	TBLASTX:Wheat
Start	3016	End	3375
GI	none	Score	308
Exons	3016..3375, 3042..3116, 3141..3374		

Seq. No.	15797	Seq. ID	OJ990517_22.9B05.C33
Gene No.	33428	Strand	-
Start	9527	End	14288
Name	OJ990517_22.9B05.C33.o6.tm	Method	TBLASTX:Maize
Start	3256	End	3552

GI	none	Score	210
Exons	3256..3552, 3256..3540, 3273..3443		

Seq. No.	15797	Seq. ID	OJ990517_22.9B05.C33
Gene No.	33428	Strand	-
Start	9527	End	14288
Name	OJ990517_22.9B05.C33.o8.tm	Method	TBLASTX:Maize
Start	3892	End	4212
GI	none	Score	184
Exons	3892..4212, 3945..4037		

Seq. No.	15797	Seq. ID	OJ990517_22.9B05.C33
Gene No.	33428	Strand	-
Start	9527	End	14288
Name	OJ990517_22.9B05.C33.o8.tw	Method	TBLASTX:Wheat
Start	3895	End	4317
GI	none	Score	152
Exons	3895..4104, 3945..4043, 4104..4310, 4126..4317, 4155..4310		

Seq. No.	15797	Seq. ID	OJ990517_22.9B05.C33
Gene No.	33428	Strand	-
Start	9527	End	14288
Name	OJ990517_22.9B05.C33.o4.tw	Method	TBLASTX:Wheat
Start	4474	End	4956
GI	none	Score	550
Exons	4474..4956, 4578..4913, 4603..4947		

Seq. No.	15797	Seq. ID	OJ990517_22.9B05.C33
Gene No.	33428	Strand	-
Start	9527	End	14288
Name	OJ990517_22.9B05.C33.o5.tm	Method	TBLASTX:Maize
Start	4486	End	4775
GI	none	Score	322
Exons	4486..4773, 4535..4744, 4584..4775		

Seq. No.	15797	Seq. ID	OJ990517_22.9B05.C33
Gene No.	33428	Strand	-
Start	9527	End	14288
Name	OJ990517_22.9B05.C33.o4.ts	Method	TBLASTX:Soybean
Start	4510	End	4824
GI	none	Score	183
Exons	4510..4824		

Seq. No.	15797	Seq. ID	OJ990517_22.9B05.C33
Gene No.	33428	Strand	-
Start	9527	End	14288
Name	OJ990517_22.9B05.C33.o3.tm	Method	TBLASTX:Maize
Start	4843	End	5343
GI	none	Score	161
Exons	4843..5022, 5008..5343, 5020..5298		

Seq. No.	15797	Seq. ID	OJ990517_22.9B05.C33
Gene No.	33428	Strand	-
Start	9527	End	14288
Name	OJ990517_22.9B05.C33.o1.ts	Method	TBLASTX:Soybean
Start	4897	End	5292
GI	none	Score	57

Exons	4897..4929, 4897..4941, 4933..5292, 4933..5163, 5037..5291		
Seq. No.	15797	Seq. ID	OJ990517_22.9B05.C33
Gene No.	33428	Strand	-
Start	9527	End	14288
Name	OJ990517_22.9B05.C33.o5.tw	Method	TBLASTX:Wheat
Start	5005	End	5306
GI	none	Score	398
Exons	5005..5301, 5005..5298, 5037..5306		
Seq. No.	15797	Seq. ID	OJ990517_22.9B05.C33
Gene No.	33428	Strand	-
Start	9527	End	14288
Name	OJ990517_22.9B05.C33.o2.tw	Method	TBLASTX:Wheat
Start	5307	End	5817
GI	none	Score	60
Exons	5307..5483, 5308..5817, 5340..5651, 5386..5733		
Seq. No.	15797	Seq. ID	OJ990517_22.9B05.C33
Gene No.	33428	Strand	-
Start	9527	End	14288
Name	OJ990517_22.9B05.C33.o3.ts	Method	TBLASTX:Soybean
Start	5314	End	5559
GI	none	Score	202
Exons	5314..5559		
Seq. No.	15797	Seq. ID	OJ990517_22.9B05.C33
Gene No.	33428	Strand	-
Start	9527	End	14288
Name	OJ990517_22.9B05.C33.o2.tm	Method	TBLASTX:Maize
Start	5380	End	5745
GI	none	Score	488
Exons	5380..5733, 5382..5648, 5434..5745, 5541..5738		
Seq. No.	15797	Seq. ID	OJ990517_22.9B05.C33
Gene No.	33428	Strand	-
Start	9527	End	14288
Name	OJ990517_22.9B05.C33.o3.tw	Method	TBLASTX:Wheat
Start	5820	End	6300
GI	none	Score	591
Exons	5820..5993, 5821..6300, 5836..6267, 6045..6299		
Seq. No.	15797	Seq. ID	OJ990517_22.9B05.C33
Gene No.	33428	Strand	-
Start	9527	End	14288
Name	OJ990517_22.9B05.C33.o1.tc	Method	TBLASTX:Cress
Start	6007	End	6324
GI	none	Score	89
Exons	6007..6180, 6181..6324, 6183..6323		
Seq. No.	15797	Seq. ID	OJ990517_22.9B05.C33
Gene No.	33428	Strand	-
Start	9527	End	14288
Name	OJ990517_22.9B05.C33.o2.ts	Method	TBLASTX:Soybean
Start	6088	End	6348
GI	none	Score	299
Exons	6088..6348, 6093..6347		

Seq. No.	15797	Seq. ID	OJ990517_22.9B05.C33
Gene No.	33428	Strand	-
Start	9527	End	14288
Name	OJ990517_22.9B05.C33.o4.tm	Method	TBLASTX:Maize
Start	6147	End	6438
GI	none	Score	389
Exons	6147..6434, 6148..6438		

Seq. No.	15797	Seq. ID	OJ990517_22.9B05.C33
Gene No.	33428	Strand	-
Start	9527	End	14288
Name	OJ990517_22.9B05.C33.o1.tw	Method	TBLASTX:Wheat
Start	6307	End	6933
GI	none	Score	731
Exons	6307..6933, 6309..6932		

Seq. No.	15797	Seq. ID	OJ990517_22.9B05.C33
Gene No.	33428	Strand	-
Start	9527	End	14288
Name	OJ990517_22.9B05.C33.o1.tm	Method	TBLASTX:Maize
Start	6487	End	7086
GI	none	Score	226
Exons	6487..6648, 6495..6641, 6646..7086, 6648..7073		

Seq. No.	15797	Seq. ID	OJ990517_22.9B05.C33
Gene No.	33428	Strand	-
Start	9527	End	14288
Name	OJ990517_22.9B05.C33.o6.tw	Method	TBLASTX:Wheat
Start	6933	End	7266
GI	none	Score	374
Exons	6933..6986, 6934..7266, 7026..7202, 7084..7245		

Seq. No.	15797	Seq. ID	OJ990517_22.9B05.C33
Gene No.	33428	Strand	-
Start	9527	End	14288
Name	OJ990517_22.9B05.C33.o7.tm	Method	TBLASTX:Maize
Start	7090	End	7287
GI	none	Score	192
Exons	7090..7287		

Seq. No.	15797	Seq. ID	OJ990517_22.9B05.C33
Gene No.	33428	Strand	-
Start	9527	End	14288
Name	OJ990517_22.9B05.C33.o1.np	Method	AAT/NAP
Start	9527	End	14288
GI	4680183	Score	184
Exons	9527..9616, 14218..14288		
GI Descrip.	(AF114709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	15797	Seq. ID	OJ990517_22.9B05.C33
Gene No.	33428	Strand	-
Start	9527	End	14288
Name	OJ990517_22.9B05.C33.o1.gp	Method	AAT/GAP
Start	10527	End	10909
GI	uC-osflcyp033a04b1	Score	692
Exons	10527..10909		

GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	15797	Seq. ID	OJ990517_22.9B05.C33
Gene No.	33428	Strand	-
Start	9527	End	14288
Name	OJ990517_22.9B05.C33.o4.np	Method	AAT/NAP
Start	11374	End	13472
GI	6907087	Score	873
Exons	11374..11475, 12017..12712, 12922..13157, 13340..13472		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	15798	Seq. ID	OJ990517_22.9B05.C34
Gene No.	33429	Strand	+
Start	1	End	3920
Name	OJ990517_22.9B05.C34.o2.np	Method	AAT/NAP
Start	1	End	3920
GI	4544372	Score	1214
Exons	1..27, 809..1835, 1896..2303, 2360..3920		
GI Descrip.	(AC006920) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	15798	Seq. ID	OJ990517_22.9B05.C34
Gene No.	33430	Strand	-
Start	4343	End	7529
Name	OJ990517_22.9B05.C34.o6.ts	Method	TBLASTX:Soybean
Start	178	End	516
GI	none	Score	187
Exons	178..516		
Seq. No.	15798	Seq. ID	OJ990517_22.9B05.C34
Gene No.	33430	Strand	-
Start	4343	End	7529
Name	OJ990517_22.9B05.C34.o5.ts	Method	TBLASTX:Soybean
Start	926	End	1291
GI	none	Score	130
Exons	926..1150, 937..1116, 1157..1291		
Seq. No.	15798	Seq. ID	OJ990517_22.9B05.C34
Gene No.	33430	Strand	-
Start	4343	End	7529
Name	OJ990517_22.9B05.C34.o1.tw	Method	TBLASTX:Wheat
Start	1088	End	1492
GI	none	Score	61
Exons	1088..1144, 1139..1492, 1147..1449		
Seq. No.	15798	Seq. ID	OJ990517_22.9B05.C34
Gene No.	33430	Strand	-
Start	4343	End	7529
Name	OJ990517_22.9B05.C34.o2.tm	Method	TBLASTX:Maize
Start	1142	End	1360
GI	none	Score	287
Exons	1142..1360, 1147..1359		
Seq. No.	15798	Seq. ID	OJ990517_22.9B05.C34

Gene No.	33430	Strand	-
Start	4343	End	7529
Name	OJ990517_22.9B05.C34.o1.tm	Method	TBLASTX:Maize
Start	1361	End	1822
GI	none	Score	550
Exons	1361..1822, 1361..1753, 1510..1821		

Seq. No.	15798	Seq. ID	OJ990517_22.9B05.C34
Gene No.	33430	Strand	-
Start	4343	End	7529
Name	OJ990517_22.9B05.C34.o3.tw	Method	TBLASTX:Wheat
Start	1493	End	1891
GI	none	Score	203
Exons	1493..1828, 1510..1824, 1790..1891		

Seq. No.	15798	Seq. ID	OJ990517_22.9B05.C34
Gene No.	33430	Strand	-
Start	4343	End	7529
Name	OJ990517_22.9B05.C34.o1.ts	Method	TBLASTX:Soybean
Start	1508	End	1978
GI	none	Score	218
Exons	1508..1789, 1546..1683, 1790..1978, 1834..1965		

Seq. No.	15798	Seq. ID	OJ990517_22.9B05.C34
Gene No.	33430	Strand	-
Start	4343	End	7529
Name	OJ990517_22.9B05.C34.o2.ts	Method	TBLASTX:Soybean
Start	2129	End	2486
GI	none	Score	117
Exons	2129..2248, 2131..2235, 2246..2401, 2247..2486		

Seq. No.	15798	Seq. ID	OJ990517_22.9B05.C34
Gene No.	33430	Strand	-
Start	4343	End	7529
Name	OJ990517_22.9B05.C34.o4.tw	Method	TBLASTX:Wheat
Start	2174	End	2519
GI	none	Score	58
Exons	2174..2248, 2250..2519		

Seq. No.	15798	Seq. ID	OJ990517_22.9B05.C34
Gene No.	33430	Strand	-
Start	4343	End	7529
Name	OJ990517_22.9B05.C34.o3.tm	Method	TBLASTX:Maize
Start	2775	End	3107
GI	none	Score	209
Exons	2775..3107		

Seq. No.	15798	Seq. ID	OJ990517_22.9B05.C34
Gene No.	33430	Strand	-
Start	4343	End	7529
Name	OJ990517_22.9B05.C34.o5.tw	Method	TBLASTX:Wheat
Start	2919	End	3296
GI	none	Score	136
Exons	2919..3083, 3108..3206, 3225..3296		

Seq. No.	15798	Seq. ID	OJ990517_22.9B05.C34
Gene No.	33430	Strand	-

Start	4343	End	7529
Name	OJ990517_22.9B05.C34.o4.ts	Method	TBLASTX:Soybean
Start	2940	End	3338
GI	none	Score	226
Exons	2940..3338, 3045..3149, 3119..3250		

Seq. No.	15798	Seq. ID	OJ990517_22.9B05.C34
Gene No.	33430	Strand	-
Start	4343	End	7529
Name	OJ990517_22.9B05.C34.o2.tw	Method	TBLASTX:Wheat
Start	3498	End	3905
GI	none	Score	230
Exons	3498..3905, 3506..3844		

Seq. No.	15798	Seq. ID	OJ990517_22.9B05.C34
Gene No.	33430	Strand	-
Start	4343	End	7529
Name	OJ990517_22.9B05.C34.o3.ts	Method	TBLASTX:Soybean
Start	3681	End	3931
GI	none	Score	251
Exons	3681..3926, 3681..3848, 3683..3853, 3890..3931		

Seq. No.	15798	Seq. ID	OJ990517_22.9B05.C34
Gene No.	33430	Strand	-
Start	4343	End	7529
Name	OJ990517_22.9B05.C34.o2.gs	Method	GENSCAN
Start	4343	End	7529
GI	none	Score	.53
Exons	4343..4678, 4871..5023, 5103..5182, 5286..5374, 5574..5685, 5747..5825, 5907..5932, 5984..6844, 6929..7088, 7479..7529		

Seq. No.	15799	Seq. ID	OJ990517_22.9B05.C35
Gene No.	33431	Strand	+
Start	269	End	547
Name	OJ990517_22.9B05.C35.o1.gs	Method	GENSCAN
Start	269	End	547
GI	none	Score	.9
Exons	269..547		

Seq. No.	15799	Seq. ID	OJ990517_22.9B05.C35
Gene No.	33432	Strand	+
Start	3713	End	4585
Name	OJ990517_22.9B05.C35.o3.gs	Method	GENSCAN
Start	3713	End	4585
GI	none	Score	.59
Exons	3713..4585		

Seq. No.	15799	Seq. ID	OJ990517_22.9B05.C35
Gene No.	33433	Strand	-
Start	4959	End	5132
Name	OJ990517_22.9B05.C35.o1.gp	Method	AAT/GAP
Start	4959	End	5132
GI	LIB3433-026-P1-K1-C1	Score	255
Exons	4959..5132		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	15799	Seq. ID	OJ990517_22.9B05.C35
Gene No.	33434	Strand	-
Start	5604	End	11057
Name	OJ990517_22.9B05.C35.o2.np	Method	AAT/NAP
Start	5604	End	11057
GI	4680179	Score	4910
Exons	5604..5638, 7037..9973, 10001..11057		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	15799	Seq. ID	OJ990517_22.9B05.C35
Gene No.	33435	Strand	-
Start	11283	End	12079
Name	OJ990517_22.9B05.C35.o4.tm	Method	TBLASTX:Maize
Start	7040	End	7315
GI	none	Score	152
Exons	7040..7315, 7040..7315		

Seq. No.	15799	Seq. ID	OJ990517_22.9B05.C35
Gene No.	33435	Strand	-
Start	11283	End	12079
Name	OJ990517_22.9B05.C35.o2.tw	Method	TBLASTX:Wheat
Start	7043	End	7597
GI	none	Score	257
Exons	7043..7597, 7089..7541		

Seq. No.	15799	Seq. ID	OJ990517_22.9B05.C35
Gene No.	33435	Strand	-
Start	11283	End	12079
Name	OJ990517_22.9B05.C35.o2.tm	Method	TBLASTX:Maize
Start	7322	End	7639
GI	none	Score	241
Exons	7322..7639, 7326..7628		

Seq. No.	15799	Seq. ID	OJ990517_22.9B05.C35
Gene No.	33435	Strand	-
Start	11283	End	12079
Name	OJ990517_22.9B05.C35.o2.ts	Method	TBLASTX:Soybean
Start	7556	End	7816
GI	none	Score	180
Exons	7556..7816, 7557..7805		

Seq. No.	15799	Seq. ID	OJ990517_22.9B05.C35
Gene No.	33435	Strand	-
Start	11283	End	12079
Name	OJ990517_22.9B05.C35.o1.tc	Method	TBLASTX:Cress
Start	7580	End	7906
GI	none	Score	88
Exons	7580..7723, 7581..7721, 7724..7906		

Seq. No.	15799	Seq. ID	OJ990517_22.9B05.C35
Gene No.	33435	Strand	-
Start	11283	End	12079
Name	OJ990517_22.9B05.C35.o1.tw	Method	TBLASTX:Wheat
Start	7604	End	8143
GI	none	Score	309
Exons	7604..8143, 7608..7961		

Seq. No.	15799	Seq. ID	OJ990517_22.9B05.C35
Gene No.	33435	Strand	-
Start	11283	End	12079
Name	OJ990517_22.9B05.C35.o6.tm	Method	TBLASTX:Maize
Start	7640	End	7987
GI	none	Score	160
Exons	7640..7960, 7641..7961, 7655..7987		

Seq. No.	15799	Seq. ID	OJ990517_22.9B05.C35
Gene No.	33435	Strand	-
Start	11283	End	12079
Name	OJ990517_22.9B05.C35.o1.tm	Method	TBLASTX:Maize
Start	8171	End	8524
GI	none	Score	195
Exons	8171..8524, 8178..8519		

Seq. No.	15799	Seq. ID	OJ990517_22.9B05.C35
Gene No.	33435	Strand	-
Start	11283	End	12079
Name	OJ990517_22.9B05.C35.o3.tw	Method	TBLASTX:Wheat
Start	8171	End	8596
GI	none	Score	206
Exons	8171..8479, 8171..8596, 8178..8594		

Seq. No.	15799	Seq. ID	OJ990517_22.9B05.C35
Gene No.	33435	Strand	-
Start	11283	End	12079
Name	OJ990517_22.9B05.C35.o3.ts	Method	TBLASTX:Soybean
Start	8342	End	8590
GI	none	Score	38
Exons	8342..8590, 8361..8405, 8460..8564		

Seq. No.	15799	Seq. ID	OJ990517_22.9B05.C35
Gene No.	33435	Strand	-
Start	11283	End	12079
Name	OJ990517_22.9B05.C35.o5.tm	Method	TBLASTX:Maize
Start	8531	End	8863
GI	none	Score	79
Exons	8531..8863, 8532..8810		

Seq. No.	15799	Seq. ID	OJ990517_22.9B05.C35
Gene No.	33435	Strand	-
Start	11283	End	12079
Name	OJ990517_22.9B05.C35.o5.tw	Method	TBLASTX:Wheat
Start	8597	End	8860
GI	none	Score	181
Exons	8597..8860, 8598..8858		

Seq. No.	15799	Seq. ID	OJ990517_22.9B05.C35
Gene No.	33435	Strand	-
Start	11283	End	12079
Name	OJ990517_22.9B05.C35.o1.ts	Method	TBLASTX:Soybean
Start	8612	End	9007
GI	none	Score	106
Exons	8612..8863, 8718..8852, 8918..8971, 8928..8969, 8975..9007, 8976..9005		

Seq. No.	15799	Seq. ID	OJ990517_22.9B05.C35
Gene No.	33435	Strand	-
Start	11283	End	12079
Name	OJ990517_22.9B05.C35.o3.tm	Method	TBLASTX:Maize
Start	8918	End	9365
GI	none	Score	67
Exons	8918..9361, 9123..9365		

Seq. No.	15799	Seq. ID	OJ990517_22.9B05.C35
Gene No.	33435	Strand	-
Start	11283	End	12079
Name	OJ990517_22.9B05.C35.o4.tw	Method	TBLASTX:Wheat
Start	8948	End	9431
GI	none	Score	285
Exons	8948..9430, 8991..9431		

Seq. No.	15799	Seq. ID	OJ990517_22.9B05.C35
Gene No.	33435	Strand	-
Start	11283	End	12079
Name	OJ990517_22.9B05.C35.o4.ts	Method	TBLASTX:Soybean
Start	9080	End	9394
GI	none	Score	194
Exons	9080..9394		

Seq. No.	15799	Seq. ID	OJ990517_22.9B05.C35
Gene No.	33435	Strand	-
Start	11283	End	12079
Name	OJ990517_22.9B05.C35.o8.tm	Method	TBLASTX:Maize
Start	9368	End	9559
GI	none	Score	107
Exons	9368..9559, 9408..9521		

Seq. No.	15799	Seq. ID	OJ990517_22.9B05.C35
Gene No.	33435	Strand	-
Start	11283	End	12079
Name	OJ990517_22.9B05.C35.o7.tw	Method	TBLASTX:Wheat
Start	9563	End	9916
GI	none	Score	251
Exons	9563..9916		

Seq. No.	15799	Seq. ID	OJ990517_22.9B05.C35
Gene No.	33435	Strand	-
Start	11283	End	12079
Name	OJ990517_22.9B05.C35.o6.tw	Method	TBLASTX:Wheat
Start	10250	End	10603
GI	none	Score	67
Exons	10250..10600, 10406..10603		

Seq. No.	15799	Seq. ID	OJ990517_22.9B05.C35
Gene No.	33435	Strand	-
Start	11283	End	12079
Name	OJ990517_22.9B05.C35.o7.tm	Method	TBLASTX:Maize
Start	10262	End	10600
GI	none	Score	97
Exons	10262..10600, 10391..10600		

Seq. No.	15799	Seq. ID	OJ990517_22.9B05.C35

Gene No.	33435	Strand	-
Start	11283	End	12079
Name	OJ990517_22.9B05.C35.o8.tw	Method	TBLASTX:Wheat
Start	10652	End	10850
GI	none	Score	129
Exons	10652..10834, 10653..10850		

Seq. No.	15799	Seq. ID	OJ990517_22.9B05.C35
Gene No.	33435	Strand	-
Start	11283	End	12079
Name	OJ990517_22.9B05.C35.o3.np	Method	AAT/NAP
Start	11283	End	12079
GI	4512231	Score	1262
Exons	11283..12079		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	15800	Seq. ID	OJ990517_22.9B05.C36
Gene No.	33436	Strand	+
Start	558	End	638
Name	OJ990517_22.9B05.C36.o1.gs	Method	GENSCAN
Start	558	End	638
GI	none	Score	.74
Exons	558..638		

Seq. No.	15801	Seq. ID	OJ990517_22.9B05.C37
Gene No.	33437	Strand	+
Start	1	End	223
Name	OJ990517_22.9B05.C37.o1.np	Method	AAT/NAP
Start	1	End	220
GI	6907087	Score	97
Exons	1..43, 119..220		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	15801	Seq. ID	OJ990517_22.9B05.C37
Gene No.	33437	Strand	+
Start	1	End	223
Name	OJ990517_22.9B05.C37.o1.gs	Method	GENSCAN
Start	119	End	223
GI	none	Score	.9
Exons	119..223		

Seq. No.	15801	Seq. ID	OJ990517_22.9B05.C37
Gene No.	33438	Strand	-
Start	756	End	1111
Name	OJ990517_22.9B05.C37.o2.np	Method	AAT/NAP
Start	613	End	814
GI	4680186	Score	203
Exons	613..814		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	15801	Seq. ID	OJ990517_22.9B05.C37
Gene No.	33438	Strand	-
Start	756	End	1111
Name	OJ990517_22.9B05.C37.o2.gs	Method	GENSCAN
Start	756	End	1111

GI	none	Score	.5
Exons	756..814, 1060..1111		

Seq. No.	15802	Seq. ID	OJ990517_22.9B05.C38
Gene No.	33439	Strand	+
Start	225	End	1025
Name	OJ990517_22.9B05.C38.o1.gs	Method	GENSCAN
Start	225	End	1025
GI	none	Score	.61
Exons	225..263, 672..1025		

Seq. No.	15802	Seq. ID	OJ990517_22.9B05.C38
Gene No.	33439	Strand	+
Start	225	End	1025
Name	OJ990517_22.9B05.C38.o1.np	Method	AAT/NAP
Start	901	End	1004
GI	6721512	Score	49
Exons	901..1004		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	15803	Seq. ID	OJ990517_22.9B05.C41
Gene No.	33440	Strand	-
Start	927	End	2347
Name	OJ990517_22.9B05.C41.o1.gs	Method	GENSCAN
Start	927	End	2347
GI	none	Score	.52
Exons	927..1030, 1252..1384, 1483..1566, 2253..2347		

Seq. No.	15804	Seq. ID	OJ990517_22.9B05.C42
Gene No.	33441	Strand	+
Start	106	End	797
Name	OJ990517_22.9B05.C42.o1.np	Method	AAT/NAP
Start	106	End	797
GI	6850312	Score	157
Exons	106..347, 440..571, 699..797		
GI Descrip.	(AC009999) Contains similarity to nucellin from Hordeum vulgare gb\|U87148. ESTs gb\|T22068, gb\|F14251, gb\|F14237, gb\|F14242 come from this gene. [Arabidopsis thaliana]		

Seq. No.	15804	Seq. ID	OJ990517_22.9B05.C42
Gene No.	33441	Strand	+
Start	106	End	797
Name	OJ990517_22.9B05.C42.o1.gs	Method	GENSCAN
Start	178	End	571
GI	none	Score	.58
Exons	178..347, 440..571		

Seq. No.	15804	Seq. ID	OJ990517_22.9B05.C42
Gene No.	33441	Strand	+
Start	106	End	797
Name	OJ990517_22.9B05.C42.o1.tm	Method	TBLASTX:Maize
Start	238	End	774
GI	none	Score	56
Exons	238..288, 295..348, 441..551, 446..559, 463..558, 703..774		

Seq. No.	15805	Seq. ID	OJ990517_22.9B05.C43
Gene No.	33442	Strand	-

Start	316	End	446
Name	OJ990517_22.9B05.C43.o1.gs	Method	GENSCAN
Start	316	End	446
GI	none	Score	.61
Exons	316..446		

Seq. No.	15806	Seq. ID	OJ990517_22.9B05.C46
Gene No.	33443	Strand	-
Start	2081	End	3764
Name	OJ990517_22.9B05.C46.o3.tm	Method	TBLASTX:Maize
Start	393	End	547
GI	none	Score	179
Exons	393..533, 393..518, 397..546, 401..547		

Seq. No.	15806	Seq. ID	OJ990517_22.9B05.C46
Gene No.	33443	Strand	-
Start	2081	End	3764
Name	OJ990517_22.9B05.C46.o1.np	Method	AAT/NAP
Start	2081	End	3764
GI	6539553	Score	2818
Exons	2081..3764		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi\|6539590\|dbj\|BAA88206.1\| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	15806	Seq. ID	OJ990517_22.9B05.C46
Gene No.	33443	Strand	-
Start	2081	End	3764
Name	OJ990517_22.9B05.C46.o1.tw	Method	TBLASTX:Wheat
Start	2217	End	2692
GI	none	Score	353
Exons	2217..2603, 2255..2602, 2296..2604, 2617..2691, 2618..2692		

Seq. No.	15806	Seq. ID	OJ990517_22.9B05.C46
Gene No.	33443	Strand	-
Start	2081	End	3764
Name	OJ990517_22.9B05.C46.o3.ts	Method	TBLASTX:Soybean
Start	2345	End	2686
GI	none	Score	83
Exons	2345..2554, 2424..2549, 2573..2686		

Seq. No.	15806	Seq. ID	OJ990517_22.9B05.C46
Gene No.	33443	Strand	-
Start	2081	End	3764
Name	OJ990517_22.9B05.C46.o2.tm	Method	TBLASTX:Maize
Start	2549	End	2888
GI	none	Score	200
Exons	2549..2887, 2550..2888		

Seq. No.	15806	Seq. ID	OJ990517_22.9B05.C46
Gene No.	33443	Strand	-
Start	2081	End	3764
Name	OJ990517_22.9B05.C46.o2.tw	Method	TBLASTX:Wheat
Start	2693	End	3442
GI	none	Score	46
Exons	2693..2773, 2897..3103, 2907..3029, 3098..3442, 3122..3295		

Seq. No.	15806	Seq. ID	OJ990517_22.9B05.C46
Gene No.	33443	Strand	-
Start	2081	End	3764
Name	OJ990517_22.9B05.C46.o2.ts	Method	TBLASTX:Soybean
Start	2699	End	3050
GI	none	Score	160
Exons	2699..3043, 2700..3050		

Seq. No.	15806	Seq. ID	OJ990517_22.9B05.C46
Gene No.	33443	Strand	-
Start	2081	End	3764
Name	OJ990517_22.9B05.C46.o1.tm	Method	TBLASTX:Maize
Start	2978	End	3443
GI	none	Score	55
Exons	2978..3442, 3081..3191, 3125..3307, 3261..3443		

Seq. No.	15806	Seq. ID	OJ990517_22.9B05.C46
Gene No.	33443	Strand	-
Start	2081	End	3764
Name	OJ990517_22.9B05.C46.o1.ts	Method	TBLASTX:Soybean
Start	3113	End	3577
GI	5509260	Score	58
Exons	3113..3577, 3132..3191, 3264..3359		
GI Descrip.	-		

Seq. No.	15806	Seq. ID	OJ990517_22.9B05.C46
Gene No.	33443	Strand	-
Start	2081	End	3764
Name	OJ990517_22.9B05.C46.o1.tc	Method	TBLASTX:Cress
Start	3224	End	3484
GI	none	Score	62
Exons	3224..3484, 3405..3482		

Seq. No.	15806	Seq. ID	OJ990517_22.9B05.C46
Gene No.	33443	Strand	-
Start	2081	End	3764
Name	OJ990517_22.9B05.C46.o3.tw	Method	TBLASTX:Wheat
Start	3497	End	3751
GI	none	Score	201
Exons	3497..3745, 3497..3751		

Seq. No.	15807	Seq. ID	OJ990517_22.9B05.C47
Gene No.	33444	Strand	-
Start	1	End	872
Name	OJ990517_22.9B05.C47.o1.np	Method	AAT/NAP
Start	1	End	872
GI	6539553	Score	1462
Exons	1..872		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi\|6539590\|dbj\|BAA88206.1\| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	15807	Seq. ID	OJ990517_22.9B05.C47
Gene No.	33444	Strand	-
Start	1	End	872

Name	OJ990517_22.9B05.C47.o1.tm	Method	TBLASTX:Maize
Start	115	End	437
GI	none	Score	395
Exons	115..276, 116..430, 117..410,	183..437	

Seq. No.	15808	Seq. ID	OJ990517_22.9B05.C48
Gene No.	33445	Strand	+
Start	851	End	941
Name	OJ990517_22.9B05.C48.o1.gs	Method	GENSCAN
Start	851	End	941
GI	none	Score	.64
Exons	851..941		

Seq. No.	15809	Seq. ID	OJ990527_27.9B15.C1
Gene No.	33446	Strand	+
Start	1	End	466
Name	OJ990527_27.9B15.C1.o1.np	Method	AAT/NAP
Start	1	End	466
GI	4680186	Score	96
Exons	1..87, 432..466		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	15810	Seq. ID	OJ990527_27.9B15.C2
Gene No.	33447	Strand	+
Start	1873	End	2474
Name	OJ990527_27.9B15.C2.o1.np	Method	AAT/NAP
Start	1873	End	2287
GI	4115934	Score	417
Exons	1873..2033, 2120..2287		
GI Descrip.	(AF118223) contains similarity to Methanobacterium thermoautotrophicum transcriptional regulator (GB:AE000850) [Arabidopsis thaliana]		

Seq. No.	15810	Seq. ID	OJ990527_27.9B15.C2
Gene No.	33447	Strand	+
Start	1873	End	2474
Name	OJ990527_27.9B15.C2.o1.gp	Method	AAT/GAP
Start	1877	End	2474
GI	4996_1.R1084	Score	957
Exons	1877..2033, 2120..2474		
GI Descrip.	'4115934/gb\|AAD03444.1\| 5.0e-62 (AF118223) contains similarity to Methanobacterium thermoautotrophicum transcriptional regulator (GB:AE000850) [Arabidopsis thaliana]'		

Seq. No.	15810	Seq. ID	OJ990527_27.9B15.C2
Gene No.	33448	Strand	-
Start	1479	End	3904
Name	OJ990527_27.9B15.C2.o1.gs	Method	GENSCAN
Start	1479	End	3904
GI	none	Score	.69
Exons	1479..1553, 2183..2330, 3837..3904		

Seq. No.	15810	Seq. ID	OJ990527_27.9B15.C2
Gene No.	33448	Strand	-
Start	1479	End	3904
Name	OJ990527_27.9B15.C2.o1.tm	Method	TBLASTX:Maize
Start	1872	End	2352

GI	none	Score	299
Exons	1872..2033, 1877..2032, 1933..2046, 1943..2035, 2113..2265, 2120..2266, 2124..2267, 2125..2268, 2317..2352		

Seq. No.	15810	Seq. ID	OJ990527_27.9B15.C2
Gene No.	33448	Strand	-
Start	1479	End	3904
Name	OJ990527_27.9B15.C2.o1.ts	Method	TBLASTX:Soybean
Start	1872	End	2266
GI	none	Score	266
Exons	1872..2033, 1877..2029, 2119..2259, 2120..2266		

Seq. No.	15810	Seq. ID	OJ990527_27.9B15.C2
Gene No.	33448	Strand	-
Start	1479	End	3904
Name	OJ990527_27.9B15.C2.o1.tc	Method	TBLASTX:Cress
Start	1880	End	2274
GI	none	Score	262
Exons	1880..2032, 1881..2033, 2113..2274, 2120..2260		

Seq. No.	15811	Seq. ID	OJ990527_27.9B15.C3
Gene No.	33449	Strand	+
Start	2	End	9331
Name	OJ990527_27.9B15.C3.o1.gs	Method	GENSCAN
Start	2	End	9331
GI	none	Score	.5
Exons	2..317, 1260..1322, 1616..1649, 1693..1903, 2099..2231, 2348..2562, 3431..4517, 4770..4915, 5558..5773, 5817..6107, 6149..6354, 6478..6645, 6781..6967, 7317..7390, 7534..7654, 8053..8247, 9245..9331		

Seq. No.	15811	Seq. ID	OJ990527_27.9B15.C3
Gene No.	33449	Strand	+
Start	2	End	9331
Name	OJ990527_27.9B15.C3.o1.np	Method	AAT/NAP
Start	3452	End	7702
GI	2586082	Score	4372
Exons	3452..7702		
GI Descrip.	(U72725) retrofit [Oryza longistaminata]		

Seq. No.	15811	Seq. ID	OJ990527_27.9B15.C3
Gene No.	33450	Strand	-
Start	9451	End	9906
Name	OJ990527_27.9B15.C3.o4.tm	Method	TBLASTX:Maize
Start	1	End	199
GI	none	Score	294
Exons	1..198, 2..199		

Seq. No.	15811	Seq. ID	OJ990527_27.9B15.C3
Gene No.	33450	Strand	-
Start	9451	End	9906
Name	OJ990527_27.9B15.C3.o4.tc	Method	TBLASTX:Cress
Start	2	End	154
GI	none	Score	193
Exons	2..151, 2..154		

Seq. No.	15811	Seq. ID	OJ990527_27.9B15.C3

Gene No.	33450	Strand	-
Start	9451	End	9906
Name	OJ990527_27.9B15.C3.o4.ts	Method	TBLASTX:Soybean
Start	2335	End	2478
GI	none	Score	193
Exons	2335..2478, 2343..2468		

Seq. No.	15811	Seq. ID	OJ990527_27.9B15.C3
Gene No.	33450	Strand	-
Start	9451	End	9906
Name	OJ990527_27.9B15.C3.o3.tc	Method	TBLASTX:Cress
Start	3512	End	4021
GI	none	Score	93
Exons	3512..3652, 3668..4021		

Seq. No.	15811	Seq. ID	OJ990527_27.9B15.C3
Gene No.	33450	Strand	-
Start	9451	End	9906
Name	OJ990527_27.9B15.C3.o3.tm	Method	TBLASTX:Maize
Start	3544	End	3967
GI	none	Score	98
Exons	3544..3621, 3548..3655, 3662..3967, 3682..3909		

Seq. No.	15811	Seq. ID	OJ990527_27.9B15.C3
Gene No.	33450	Strand	-
Start	9451	End	9906
Name	OJ990527_27.9B15.C3.o5.tw	Method	TBLASTX:Wheat
Start	3545	End	3967
GI	none	Score	81
Exons	3545..3646, 3668..3778, 3779..3967		

Seq. No.	15811	Seq. ID	OJ990527_27.9B15.C3
Gene No.	33450	Strand	-
Start	9451	End	9906
Name	OJ990527_27.9B15.C3.o2.tw	Method	TBLASTX:Wheat
Start	4342	End	4726
GI	none	Score	383
Exons	4342..4701, 4373..4726		

Seq. No.	15811	Seq. ID	OJ990527_27.9B15.C3
Gene No.	33450	Strand	-
Start	9451	End	9906
Name	OJ990527_27.9B15.C3.o7.tm	Method	TBLASTX:Maize
Start	4433	End	4732
GI	none	Score	250
Exons	4433..4732		

Seq. No.	15811	Seq. ID	OJ990527_27.9B15.C3
Gene No.	33450	Strand	-
Start	9451	End	9906
Name	OJ990527_27.9B15.C3.o5.ts	Method	TBLASTX:Soybean
Start	4808	End	5221
GI	none	Score	63
Exons	4808..4909, 4919..5032, 5042..5221		

Seq. No.	15811	Seq. ID	OJ990527_27.9B15.C3
Gene No.	33450	Strand	-

Start	9451	End	9906
Name	OJ990527_27.9B15.C3.o1.tc	Method	TBLASTX:Cress
Start	5215	End	5680
GI	none	Score	338
Exons	5215..5337, 5216..5680		

Seq. No.	15811	Seq. ID	OJ990527_27.9B15.C3
Gene No.	33450	Strand	-
Start	9451	End	9906
Name	OJ990527_27.9B15.C3.o3.ts	Method	TBLASTX:Soybean
Start	5243	End	5662
GI	none	Score	245
Exons	5243..5662		

Seq. No.	15811	Seq. ID	OJ990527_27.9B15.C3
Gene No.	33450	Strand	-
Start	9451	End	9906
Name	OJ990527_27.9B15.C3.o4.tw	Method	TBLASTX:Wheat
Start	5333	End	5689
GI	none	Score	275
Exons	5333..5689		

Seq. No.	15811	Seq. ID	OJ990527_27.9B15.C3
Gene No.	33450	Strand	-
Start	9451	End	9906
Name	OJ990527_27.9B15.C3.o5.tm	Method	TBLASTX:Maize
Start	5336	End	5659
GI	none	Score	280
Exons	5336..5659, 5548..5655		

Seq. No.	15811	Seq. ID	OJ990527_27.9B15.C3
Gene No.	33450	Strand	-
Start	9451	End	9906
Name	OJ990527_27.9B15.C3.o2.ts	Method	TBLASTX:Soybean
Start	6173	End	6670
GI	5509260	Score	394
Exons	6173..6670, 6295..6459, 6499..6651		
GI Descrip.	-		

Seq. No.	15811	Seq. ID	OJ990527_27.9B15.C3
Gene No.	33450	Strand	-
Start	9451	End	9906
Name	OJ990527_27.9B15.C3.o8.tm	Method	TBLASTX:Maize
Start	6199	End	6469
GI	none	Score	211
Exons	6199..6429, 6203..6469		

Seq. No.	15811	Seq. ID	OJ990527_27.9B15.C3
Gene No.	33450	Strand	-
Start	9451	End	9906
Name	OJ990527_27.9B15.C3.o2.tc	Method	TBLASTX:Cress
Start	6290	End	6559
GI	none	Score	277
Exons	6290..6559, 6298..6558		

Seq. No.	15811	Seq. ID	OJ990527_27.9B15.C3
Gene No.	33450	Strand	-

Start	9451	End	9906
Name	OJ990527_27.9B15.C3.o3.tw	Method	TBLASTX:Wheat
Start	6340	End	6853
GI	none	Score	281
Exons	6340..6438, 6341..6685, 6491..6688, 6671..6853		

Seq. No.	15811	Seq. ID	OJ990527_27.9B15.C3
Gene No.	33450	Strand	-
Start	9451	End	9906
Name	OJ990527_27.9B15.C3.o1.tm	Method	TBLASTX:Maize
Start	6473	End	6919
GI	none	Score	401
Exons	6473..6919, 6493..6648		

Seq. No.	15811	Seq. ID	OJ990527_27.9B15.C3
Gene No.	33450	Strand	-
Start	9451	End	9906
Name	OJ990527_27.9B15.C3.o5.tc	Method	TBLASTX:Cress
Start	6740	End	7015
GI	none	Score	186
Exons	6740..6982, 6818..7015		

Seq. No.	15811	Seq. ID	OJ990527_27.9B15.C3
Gene No.	33450	Strand	-
Start	9451	End	9906
Name	OJ990527_27.9B15.C3.o1.tw	Method	TBLASTX:Wheat
Start	6854	End	7291
GI	none	Score	430
Exons	6854..7291, 6854..7171, 6859..7173, 7204..7290		

Seq. No.	15811	Seq. ID	OJ990527_27.9B15.C3
Gene No.	33450	Strand	-
Start	9451	End	9906
Name	OJ990527_27.9B15.C3.o6.tm	Method	TBLASTX:Maize
Start	6986	End	7219
GI	none	Score	275
Exons	6986..7219, 6991..7185		

Seq. No.	15811	Seq. ID	OJ990527_27.9B15.C3
Gene No.	33450	Strand	-
Start	9451	End	9906
Name	OJ990527_27.9B15.C3.o1.ts	Method	TBLASTX:Soybean
Start	7055	End	7651
GI	none	Score	477
Exons	7055..7651, 7060..7182, 7243..7650		

Seq. No.	15811	Seq. ID	OJ990527_27.9B15.C3
Gene No.	33450	Strand	-
Start	9451	End	9906
Name	OJ990527_27.9B15.C3.o2.tm	Method	TBLASTX:Maize
Start	7222	End	7581
GI	none	Score	128
Exons	7222..7356, 7223..7351, 7356..7529, 7358..7564, 7358..7579, 7552..7581		

Seq. No.	15811	Seq. ID	OJ990527_27.9B15.C3
Gene No.	33450	Strand	-

Start	9451	End	9906
Name	OJ990527_27.9B15.C3.o2.gs	Method	GENSCAN
Start	9451	End	9906
GI	none	Score	.54
Exons	9451..9686, 9771..9906		

Seq. No.	15812	Seq. ID	OJ990527_27.9B15.C4
Gene No.	33451	Strand	-
Start	803	End	2553
Name	OJ990527_27.9B15.C4.o1.np	Method	AAT/NAP
Start	759	End	2456
GI	6815062	Score	658
Exons	759..975, 1082..1132, 1202..1300, 1377..1686, 1745..1985, 2072..2456		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	15812	Seq. ID	OJ990527_27.9B15.C4
Gene No.	33451	Strand	-
Start	803	End	2553
Name	OJ990527_27.9B15.C4.o1.gs	Method	GENSCAN
Start	803	End	2553
GI	none	Score	.76
Exons	803..1132, 1202..1300, 1377..1518, 1579..1671, 1777..1985, 2072..2183, 2486..2553		

Seq. No.	15812	Seq. ID	OJ990527_27.9B15.C4
Gene No.	33452	Strand	-
Start	3409	End	3506
Name	OJ990527_27.9B15.C4.o1.tm	Method	TBLASTX:Maize
Start	1377	End	2415
GI	none	Score	65
Exons	1377..1562, 1602..1679, 1776..1892, 1776..1985, 1777..1935, 2230..2415, 2237..2404		

Seq. No.	15812	Seq. ID	OJ990527_27.9B15.C4
Gene No.	33452	Strand	-
Start	3409	End	3506
Name	OJ990527_27.9B15.C4.o1.gp	Method	AAT/GAP
Start	3409	End	3506
GI	LIB3477-003-P1-K1-E9	Score	168
Exons	3409..3506		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	15813	Seq. ID	OJ990527_27.9B15.C5
Gene No.	33453	Strand	+
Start	799	End	7289
Name	OJ990527_27.9B15.C5.o1.gs	Method	GENSCAN
Start	799	End	7289
GI	none	Score	.62
Exons	799..835, 956..1072, 1341..1484, 1632..1825, 1881..2068, 2426..2592, 2939..2972, 3190..3290, 4106..4171, 4932..5237, 5791..6079, 6167..6385, 6476..6611, 6720..7289		

Seq. No.	15813	Seq. ID	OJ990527_27.9B15.C5
Gene No.	33453	Strand	+
Start	799	End	7289
Name	OJ990527_27.9B15.C5.o4.np	Method	AAT/NAP
Start	3528	End	3752
GI	82227	Score	167
Exons	3528..3752		
GI Descrip.	hypothetical protein 75 - common tobacco chloroplast gi\|11786\|emb\|CAA26288\| (X02441) unidentified reading frame ORF 75 [Nicotiana tabacum] gi\|11880\|emb\|CAA77393\| (Z00044) hypothetical protein [Nicotiana tabacum] gi\|473681 (M23767) ORF 75; putative [Nicotiana tabacum] gi\|1223679\|emb\|CAA77400\| (Z00044) hypothetical protein [Nicotiana tabacum] gi\|225251\|prf\|\|1211235CK ORF 75 [Ni		

Seq. No.	15813	Seq. ID	OJ990527_27.9B15.C5
Gene No.	33453	Strand	+
Start	799	End	7289
Name	OJ990527_27.9B15.C5.o7.np	Method	AAT/NAP
Start	5044	End	7277
GI	763421	Score	576
Exons	5044..5237, 5701..6079, 6167..6385, 6476..6611, 6720..7277		
GI Descrip.	(U20187) vetispiradiene synthase [synthetic construct]		

Seq. No.	15813	Seq. ID	OJ990527_27.9B15.C5
Gene No.	33454	Strand	+
Start	16497	End	16588
Name	OJ990527_27.9B15.C5.o1.gp	Method	AAT/GAP
Start	16497	End	16588
GI	LIB3477-003-P1-K1-E9	Score	124
Exons	16497..16588		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	15813	Seq. ID	OJ990527_27.9B15.C5
Gene No.	33455	Strand	+
Start	19582	End	19821
Name	OJ990527_27.9B15.C5.o4.gs	Method	GENSCAN
Start	19582	End	19821
GI	none	Score	.9
Exons	19582..19587, 19642..19821		

Seq. No.	15813	Seq. ID	OJ990527_27.9B15.C5
Gene No.	33455	Strand	+
Start	19582	End	19821
Name	OJ990527_27.9B15.C5.o10.np	Method	AAT/NAP
Start	19637	End	19800
GI	5852172	Score	99
Exons	19637..19800		
GI Descrip.	(AL117265) zhb0002.1 [Oryza sativa]		

Seq. No.	15813	Seq. ID	OJ990527_27.9B15.C5
Gene No.	33456	Strand	+
Start	30433	End	36484
Name	OJ990527_27.9B15.C5.o7.gs	Method	GENSCAN
Start	30433	End	36484

GI	none	Score	.74
Exons	30433..30599, 30627..30776, 30891..31055, 31183..31333, 31503..31517, 31759..32062, 33154..33559, 34226..34444, 34532..34667, 35928..36075, 36096..36484		

Seq. No.	15813	Seq. ID	OJ990527_27.9B15.C5
Gene No.	33456	Strand	+
Start	30433	End	36484
Name	OJ990527_27.9B15.C5.o11.np	Method	AAT/NAP
Start	31280	End	36478
GI	5921217	Score	547
Exons	31280..31394, 31787..31977, 32011..32062, 33181..33559, 34226..34444, 34532..34667, 35928..36478		
GI Descrip.	(AJ249561) putative sesquiterpene cyclase [Artemisia annua]		

Seq. No.	15813	Seq. ID	OJ990527_27.9B15.C5
Gene No.	33457	Strand	+
Start	40988	End	45399
Name	OJ990527_27.9B15.C5.o10.gs	Method	GENSCAN
Start	40988	End	45399
GI	none	Score	.45
Exons	40988..41723, 42118..42148, 43835..43985, 45027..45191, 45388..45399		

Seq. No.	15813	Seq. ID	OJ990527_27.9B15.C5
Gene No.	33458	Strand	+
Start	55503	End	55609
Name	OJ990527_27.9B15.C5.o2.gp	Method	AAT/GAP
Start	55503	End	55609
GI	LIB3477-003-P1-K1-E9	Score	156
Exons	55503..55609		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	15813	Seq. ID	OJ990527_27.9B15.C5
Gene No.	33459	Strand	-
Start	976	End	3315
Name	OJ990527_27.9B15.C5.o1.np	Method	AAT/NAP
Start	976	End	1822
GI	5922623	Score	248
Exons	976..1052, 1220..1367, 1742..1822		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016856\|dbj\|BAA85199.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	15813	Seq. ID	OJ990527_27.9B15.C5
Gene No.	33459	Strand	-
Start	976	End	3315
Name	OJ990527_27.9B15.C5.o3.np	Method	AAT/NAP
Start	1369	End	3315
GI	225252	Score	161
Exons	1369..1399, 3080..3315		
GI Descrip.	ORF 350 [Nicotiana tabacum]		

Seq. No.	15813	Seq. ID	OJ990527_27.9B15.C5
Gene No.	33459	Strand	-

Start	976	End	3315
Name	OJ990527_27.9B15.C5.o2.np	Method	AAT/NAP
Start	2552	End	2741
GI	82533	Score	313
Exons	2552..2741		
GI Descrip.	hypothetical 7.5K protein (trnR-rps15 intergenic region) - rice chloroplast gi\|12044\|emb\|CAA33947\| (X15901) ORF63 [Oryza sativa] gi\|12058\|emb\|CAA33913\| (X15901) ORF63 [Oryza sativa] gi\|226664\|prf\|\|1603356CQ ORF 63A [Oryza sativa]		

Seq. No.	15813	Seq. ID	OJ990527_27.9B15.C5
Gene No.	33460	Strand	-
Start	3851	End	3919
Name	OJ990527_27.9B15.C5.o5.np	Method	AAT/NAP
Start	3851	End	3919
GI	82521	Score	112
Exons	3851..3919		
GI Descrip.	hypothetical 2.5K protein (trnR-rps15 intergenic region) - rice chloroplast gi\|2130153\|pir\|\|S58624 hypothetical protein 23 - maize chloroplast gi\|12043\|emb\|CAA33946\| (X15901) ORF23 [Oryza sativa] gi\|12059\|emb\|CAA33914\| (X15901) ORF23 [Oryza sativa] gi\|902278\|emb\|CAA60343\| (X86563) ORF23 [Zea mays] gi\|902293\|emb\|CAA60357\| (X86563) ORF23 [Zea mays] gi\|226662\|prf\|\|1603356CN ORF		

Seq. No.	15813	Seq. ID	OJ990527_27.9B15.C5
Gene No.	33461	Strand	-
Start	3919	End	4048
Name	OJ990527_27.9B15.C5.o6.np	Method	AAT/NAP
Start	3919	End	4048
GI	1334366	Score	155
Exons	3919..4048		
GI Descrip.	(X02441) gtg start [Nicotiana tabacum]		

Seq. No.	15813	Seq. ID	OJ990527_27.9B15.C5
Gene No.	33462	Strand	-
Start	13196	End	18739
Name	OJ990527_27.9B15.C5.o3.gs	Method	GENSCAN
Start	13196	End	18739
GI	none	Score	.8
Exons	13196..13771, 13880..14015, 14823..14994, 15387..15669, 18060..18172, 18247..18362, 18627..18739		

Seq. No.	15813	Seq. ID	OJ990527_27.9B15.C5
Gene No.	33462	Strand	-
Start	13196	End	18739
Name	OJ990527_27.9B15.C5.o8.np	Method	AAT/NAP
Start	13202	End	14769
GI	1363379	Score	403
Exons	13202..13771, 13880..14015, 14134..14352, 14618..14769		
GI Descrip.	vetispiradiene synthase 2 - Hyoscyamus muticus (fragment) gi\|763427 (U20190) vetispiradiene synthase [Hyoscyamus muticus]		

Seq. No.	15813	Seq. ID	OJ990527_27.9B15.C5
Gene No.	33462	Strand	-
Start	13196	End	18739
Name	OJ990527_27.9B15.C5.o9.np	Method	AAT/NAP

Start	13202	End	15672
GI	4733937	Score	618
Exons	13202..13761, 13870..14015, 14134..14352, 14618..14994, 15387..15672		
GI Descrip.	(AF080245) sesquiterpene synthase [Elaeis oleifera]		

Seq. No.	15813	Seq. ID	OJ990527_27.9B15.C5
Gene No.	33463	Strand	-
Start	20462	End	21280
Name	OJ990527_27.9B15.C5.o5.gs	Method	GENSCAN
Start	20462	End	21280
GI	none	Score	.98
Exons	20462..20622, 21127..21280		

Seq. No.	15813	Seq. ID	OJ990527_27.9B15.C5
Gene No.	33464	Strand	-
Start	25555	End	29037
Name	OJ990527_27.9B15.C5.o6.gs	Method	GENSCAN
Start	25555	End	29037
GI	none	Score	.51
Exons	25555..25712, 26812..26962, 28241..28352, 28853..29037		

Seq. No.	15813	Seq. ID	OJ990527_27.9B15.C5
Gene No.	33465	Strand	-
Start	37710	End	55249
Name	OJ990527_27.9B15.C5.o2.ts	Method	TBLASTX:Soybean
Start	3873	End	4194
GI	none	Score	79
Exons	3873..3956, 3875..3955, 3959..4045, 3960..4046, 3960..4049, 3962..4051, 4142..4192, 4144..4194		

Seq. No.	15813	Seq. ID	OJ990527_27.9B15.C5
Gene No.	33465	Strand	-
Start	37710	End	55249
Name	OJ990527_27.9B15.C5.o2.tm	Method	TBLASTX:Maize
Start	3887	End	4165
GI	none	Score	104
Exons	3887..3961, 3888..3959, 3888..3962, 3889..3960, 3929..4075, 3930..4076, 3941..4087, 3957..4076, 4072..4164, 4079..4165, 4082..4165		

Seq. No.	15813	Seq. ID	OJ990527_27.9B15.C5
Gene No.	33465	Strand	-
Start	37710	End	55249
Name	OJ990527_27.9B15.C5.o1.tc	Method	TBLASTX:Cress
Start	4126	End	4631
GI	none	Score	76
Exons	4126..4182, 4129..4203, 4192..4242, 4275..4454, 4277..4453, 4278..4472, 4429..4536, 4454..4516, 4455..4532, 4584..4631, 4593..4631		

Seq. No.	15813	Seq. ID	OJ990527_27.9B15.C5
Gene No.	33465	Strand	-
Start	37710	End	55249
Name	OJ990527_27.9B15.C5.o3.tm	Method	TBLASTX:Maize
Start	4568	End	4793
GI	none	Score	335

Exons	4568..4783, 4573..4782, 4584..4793		
Seq. No.	15813	Seq. ID	OJ990527_27.9B15.C5
Gene No.	33465	Strand	-
Start	37710	End	55249
Name	OJ990527_27.9B15.C5.o1.tw	Method	TBLASTX:Wheat
Start	4579	End	4796
GI	none	Score	353
Exons	4579..4791, 4580..4792, 4584..4796, 4593..4796		
Seq. No.	15813	Seq. ID	OJ990527_27.9B15.C5
Gene No.	33465	Strand	-
Start	37710	End	55249
Name	OJ990527_27.9B15.C5.o2.tc	Method	TBLASTX:Cress
Start	5075	End	39600
GI	none	Score	67
Exons	5075..5221, 5712..6077, 13925..14014, 14133..14351, 14897..14995, 33171..33557, 34263..34445, 34530..34622, 39427..39600		
Seq. No.	15813	Seq. ID	OJ990527_27.9B15.C5
Gene No.	33465	Strand	-
Start	37710	End	55249
Name	OJ990527_27.9B15.C5.o1.tm	Method	TBLASTX:Maize
Start	5798	End	39501
GI	none	Score	293
Exons	5798..5959, 5799..6080, 5799..6068, 5914..6069, 6168..6386, 6168..6383, 6230..6385, 6450..6638, 6477..6635, 6720..6869, 6722..6856, 6930..6977, 6981..7031, 13517..13567, 13557..13628, 13568..13603, 13625..13786, 13662..13754, 13886..14014, 13892..14011, 14129..14350, 14133..14351, 14134..14352, 14644..14808, 14653..14826, 14673..14837, 14738..14824, 14845..14880, 33279..33560, 33282..33548, 34226..34459, 34227..34445, 34536..34655, 35921..36064, 35928..36074, 36083..36229, 36087..36230, 38013..38141, 38121..38270, 38366..38503, 38758..38976, 38759..38938, 38761..38976, 39233..39253, 39262..39435, 39311..39433, 39445..39501		
Seq. No.	15813	Seq. ID	OJ990527_27.9B15.C5
Gene No.	33465	Strand	-
Start	37710	End	55249
Name	OJ990527_27.9B15.C5.o1.ts	Method	TBLASTX:Soybean
Start	5946	End	39414
GI	none	Score	86
Exons	5946..6065, 6168..6395, 6474..6569, 13922..14014, 14133..14366, 14653..14805, 33372..33557, 34227..34445, 34530..34625, 38414..38509, 38758..38991, 39262..39414		
Seq. No.	15813	Seq. ID	OJ990527_27.9B15.C5
Gene No.	33465	Strand	-
Start	37710	End	55249
Name	OJ990527_27.9B15.C5.o4.tm	Method	TBLASTX:Maize
Start	7098	End	38001
GI	none	Score	176
Exons	7098..7271, 13193..13294, 13217..13351, 13218..13316, 36329..36472, 36394..36492, 37725..37847, 37728..38000, 37729..38001		

Seq. No.	15813	Seq. ID	OJ990527_27.9B15.C5
Gene No.	33465	Strand	-
Start	37710	End	55249
Name	OJ990527_27.9B15.C5.o8.gs	Method	GENSCAN
Start	37710	End	38829
GI	none	Score	.97
Exons	37710..38255, 38372..38507, 38759..38829		

Seq. No.	15813	Seq. ID	OJ990527_27.9B15.C5
Gene No.	33465	Strand	-
Start	37710	End	55249
Name	OJ990527_27.9B15.C5.o12.np	Method	AAT/NAP
Start	37713	End	41650
GI	3287834	Score	618
Exons	37713..38255, 38372..38507, 38759..38977, 39227..39599, 40013..40199, 41624..41650		
GI Descrip.	(+)-DELTA-CADINENE SYNTHASE ISOZYME XC14 (D-CADINENE SYNTHASE) gi\|2147016\|pir\|\|S68366 (+)-delta-cadinene synthase isozyme XC14 - Gossypium arboreum gi\|1045314 (U23205) (+)-delta-cadinene synthase isozyme XC14 [Gossypium arboreum]		

Seq. No.	15813	Seq. ID	OJ990527_27.9B15.C5
Gene No.	33465	Strand	-
Start	37710	End	55249
Name	OJ990527_27.9B15.C5.o13.np	Method	AAT/NAP
Start	37747	End	53853
GI	6069653	Score	242
Exons	37747..37994, 43884..43996, 52201..52507, 52609..52906, 52977..53295, 53731..53853		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	15813	Seq. ID	OJ990527_27.9B15.C5
Gene No.	33465	Strand	-
Start	37710	End	55249
Name	OJ990527_27.9B15.C5.o9.gs	Method	GENSCAN
Start	39223	End	40283
GI	none	Score	.74
Exons	39223..39599, 40013..40283		

Seq. No.	15813	Seq. ID	OJ990527_27.9B15.C5
Gene No.	33465	Strand	-
Start	37710	End	55249
Name	OJ990527_27.9B15.C5.o11.gs	Method	GENSCAN
Start	45695	End	50284
GI	none	Score	.47
Exons	45695..45955, 48003..48134, 49663..49730, 50206..50284		

Seq. No.	15813	Seq. ID	OJ990527_27.9B15.C5
Gene No.	33465	Strand	-
Start	37710	End	55249
Name	OJ990527_27.9B15.C5.o12.gs	Method	GENSCAN
Start	52283	End	55249
GI	none	Score	.54
Exons	52283..52418, 52795..53044, 53073..53497, 54301..54573, 54750..54930, 55088..55249		

Seq. No.	15813	Seq. ID	OJ990527_27.9B15.C5
Gene No.	33465	Strand	-
Start	37710	End	55249
Name	OJ990527_27.9B15.C5.o14.np	Method	AAT/NAP
Start	53444	End	54936
GI	6907088	Score	279
Exons	53444..53853, 54357..54573, 54798..54936		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	15814	Seq. ID	OJ990527_27.9B15.C6
Gene No.	33466	Strand	+
Start	442	End	5165
Name	OJ990527_27.9B15.C6.o1.np	Method	AAT/NAP
Start	442	End	5165
GI	4105137	Score	321
Exons	442..560, 678..957, 2568..2956, 5105..5165		
GI Descrip.	(AF043300) putative vetispiradiene synthase 5 [Solanum tuberosum] gi\|5360687\|dbj\|BAA82109.1\| (AB022720) vetispiradiene synthase [Solanum tuberosum]		

Seq. No.	15814	Seq. ID	OJ990527_27.9B15.C6
Gene No.	33466	Strand	+
Start	442	End	5165
Name	OJ990527_27.9B15.C6.o1.tm	Method	TBLASTX:Maize
Start	2666	End	2929
GI	none	Score	67
Exons	2666..2740, 2728..2853, 2732..2929, 2738..2929		

Seq. No.	15815	Seq. ID	OJ990527_27.9B15.C7
Gene No.	33467	Strand	+
Start	2390	End	5149
Name	OJ990527_27.9B15.C7.o1.np	Method	AAT/NAP
Start	2390	End	5149
GI	6862925	Score	1518
Exons	2390..4403, 4685..4926, 4963..5149		
GI Descrip.	(AC018907) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	15815	Seq. ID	OJ990527_27.9B15.C7
Gene No.	33468	Strand	+
Start	13592	End	13864
Name	OJ990527_27.9B15.C7.o3.gp	Method	AAT/GAP
Start	13592	End	13864
GI	61605_1.R1084	Score	462
Exons	13592..13864		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	15815	Seq. ID	OJ990527_27.9B15.C7
Gene No.	33469	Strand	+
Start	14743	End	15199
Name	OJ990527_27.9B15.C7.o4.gp	Method	AAT/GAP
Start	14743	End	15199
GI	uC-osflcyp129b03a1	Score	894
Exons	14743..15199		
GI Descrip.	'5295936/dbj\|AB026295.2\|AB026295 5.0e-10 Oryza sativa genomic DNA, chromosome 6, clone:P0681F10, complete sequence'		

Seq. No.	15815	Seq. ID	OJ990527_27.9B15.C7
Gene No.	33470	Strand	+
Start	18698	End	19656
Name	OJ990527_27.9B15.C7.o7.gs	Method	GENSCAN
Start	18698	End	19656
GI	none	Score	.73
Exons	18698..18759, 19066..19151, 19336..19373, 19410..19494, 19538..19656		

Seq. No.	15815	Seq. ID	OJ990527_27.9B15.C7
Gene No.	33471	Strand	-
Start	7612	End	7926
Name	OJ990527_27.9B15.C7.o3.gs	Method	GENSCAN
Start	7612	End	7926
GI	none	Score	.99
Exons	7612..7926		

Seq. No.	15815	Seq. ID	OJ990527_27.9B15.C7
Gene No.	33472	Strand	-
Start	11329	End	12971
Name	OJ990527_27.9B15.C7.o5.gs	Method	GENSCAN
Start	11329	End	11856
GI	none	Score	.67
Exons	11329..11856		

Seq. No.	15815	Seq. ID	OJ990527_27.9B15.C7
Gene No.	33472	Strand	-
Start	11329	End	12971
Name	OJ990527_27.9B15.C7.o2.np	Method	AAT/NAP
Start	11418	End	12971
GI	5852179	Score	285
Exons	11418..11674, 11749..11961, 12951..12971		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	15815	Seq. ID	OJ990527_27.9B15.C7
Gene No.	33473	Strand	-
Start	13960	End	18253
Name	OJ990527_27.9B15.C7.o3.np	Method	AAT/NAP
Start	13960	End	17788
GI	1363377	Score	659
Exons	13960..14012, 15056..15586, 15721..15837, 15951..16169, 16967..17342, 17497..17788		
GI Descrip.	vetispiradiene synthase 1 - Hyoscyamus muticus (fragment) gi\|763423 (U20188) vetispiradiene synthase [Hyoscyamus muticus]		

Seq. No.	15815	Seq. ID	OJ990527_27.9B15.C7
Gene No.	33473	Strand	-
Start	13960	End	18253
Name	OJ990527_27.9B15.C7.o6.gs	Method	GENSCAN
Start	14994	End	18253
GI	none	Score	.87
Exons	14994..15563, 15702..15837, 15951..16169, 16967..17342, 17497..17869, 18200..18253		

Seq. No.	15815	Seq. ID	OJ990527_27.9B15.C7
Gene No.	33474	Strand	-
Start	20094	End	24163

Name	OJ990527_27.9B15.C7.o1.tc	Method	TBLASTX:Cress
Start	2567	End	2797
GI	none	Score	266
Exons	2567..2797, 2568..2783		

Seq. No.	15815	Seq. ID	OJ990527_27.9B15.C7
Gene No.	33474	Strand	-
Start	20094	End	24163
Name	OJ990527_27.9B15.C7.o1.tm	Method	TBLASTX:Maize
Start	3120	End	3509
GI	none	Score	147
Exons	3120..3269, 3128..3268, 3270..3356, 3272..3508, 3273..3509, 3417..3509		

Seq. No.	15815	Seq. ID	OJ990527_27.9B15.C7
Gene No.	33474	Strand	-
Start	20094	End	24163
Name	OJ990527_27.9B15.C7.o2.ts	Method	TBLASTX:Soybean
Start	3591	End	3989
GI	none	Score	89
Exons	3591..3659, 3720..3989, 3740..3988		

Seq. No.	15815	Seq. ID	OJ990527_27.9B15.C7
Gene No.	33474	Strand	-
Start	20094	End	24163
Name	OJ990527_27.9B15.C7.o2.tm	Method	TBLASTX:Maize
Start	15315	End	17244
GI	none	Score	105
Exons	15315..15371, 15417..15563, 15427..15570, 15696..15833, 15707..15835, 15716..15835, 15950..16168, 15951..16166, 15951..16169, 15952..16176, 16966..17175, 16978..17175, 17176..17244		

Seq. No.	15815	Seq. ID	OJ990527_27.9B15.C7
Gene No.	33474	Strand	-
Start	20094	End	24163
Name	OJ990527_27.9B15.C7.o1.ts	Method	TBLASTX:Soybean
Start	15750	End	16186
GI	none	Score	190
Exons	15750..15839, 15950..16186		

Seq. No.	15815	Seq. ID	OJ990527_27.9B15.C7
Gene No.	33474	Strand	-
Start	20094	End	24163
Name	OJ990527_27.9B15.C7.o8.gs	Method	GENSCAN
Start	20094	End	24163
GI	none	Score	.61
Exons	20094..20170, 22878..22924, 23292..23432, 24072..24163		

Seq. No.	15816	Seq. ID	OJ990527_27.9B15.C8
Gene No.	33475	Strand	+
Start	6086	End	9200
Name	OJ990527_27.9B15.C8.o1.np	Method	AAT/NAP
Start	6086	End	9200
GI	5902445	Score	3009
Exons	6086..7873, 7913..9200		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	15816	Seq. ID	OJ990527_27.9B15.C8
Gene No.	33476	Strand	+
Start	14425	End	17042
Name	OJ990527_27.9B15.C8.o5.np	Method	AAT/NAP
Start	14425	End	17042
GI	6721547	Score	88
Exons	14425..14509, 17011..17042		
GI Descrip.	(AP001073) Similar to Oryza sativa gene for Pib. (AB013448)		

Seq. No.	15816	Seq. ID	OJ990527_27.9B15.C8
Gene No.	33477	Strand	-
Start	10689	End	15383
Name	OJ990527_27.9B15.C8.o5.tw	Method	TBLASTX:Wheat
Start	4355	End	4750
GI	none	Score	54
Exons	4355..4405, 4406..4519, 4417..4467, 4493..4750, 4525..4749		

Seq. No.	15816	Seq. ID	OJ990527_27.9B15.C8
Gene No.	33477	Strand	-
Start	10689	End	15383
Name	OJ990527_27.9B15.C8.o4.tm	Method	TBLASTX:Maize
Start	4400	End	4639
GI	none	Score	185
Exons	4400..4639		

Seq. No.	15816	Seq. ID	OJ990527_27.9B15.C8
Gene No.	33477	Strand	-
Start	10689	End	15383
Name	OJ990527_27.9B15.C8.o2.tw	Method	TBLASTX:Wheat
Start	5384	End	5839
GI	none	Score	145
Exons	5384..5566, 5392..5565, 5603..5839, 5605..5721, 5615..5824, 5764..5829		

Seq. No.	15816	Seq. ID	OJ990527_27.9B15.C8
Gene No.	33477	Strand	-
Start	10689	End	15383
Name	OJ990527_27.9B15.C8.o1.tw	Method	TBLASTX:Wheat
Start	6031	End	6487
GI	none	Score	551
Exons	6031..6486, 6032..6487		

Seq. No.	15816	Seq. ID	OJ990527_27.9B15.C8
Gene No.	33477	Strand	-
Start	10689	End	15383
Name	OJ990527_27.9B15.C8.o2.ts	Method	TBLASTX:Soybean
Start	6071	End	6436
GI	none	Score	104
Exons	6071..6295, 6302..6436		

Seq. No.	15816	Seq. ID	OJ990527_27.9B15.C8
Gene No.	33477	Strand	-
Start	10689	End	15383
Name	OJ990527_27.9B15.C8.o1.tm	Method	TBLASTX:Maize
Start	6161	End	6517
GI	none	Score	409

Exons	6161..6517, 6223..6516		
Seq. No.	15816	Seq. ID	OJ990527_27.9B15.C8
Gene No.	33477	Strand	-
Start	10689	End	15383
Name	OJ990527_27.9B15.C8.o3.tm	Method	TBLASTX:Maize
Start	6545	End	6931
GI	none	Score	313
Exons	6545..6931, 6580..6642, 6706..6918		
Seq. No.	15816	Seq. ID	OJ990527_27.9B15.C8
Gene No.	33477	Strand	-
Start	10689	End	15383
Name	OJ990527_27.9B15.C8.o3.tw	Method	TBLASTX:Wheat
Start	6602	End	7025
GI	none	Score	344
Exons	6602..6934, 6701..6883, 6703..6915, 6892..7023, 6924..7025		
Seq. No.	15816	Seq. ID	OJ990527_27.9B15.C8
Gene No.	33477	Strand	-
Start	10689	End	15383
Name	OJ990527_27.9B15.C8.o1.ts	Method	TBLASTX:Soybean
Start	6656	End	7080
GI	none	Score	195
Exons	6656..6928, 6706..6840, 6910..7080		
Seq. No.	15816	Seq. ID	OJ990527_27.9B15.C8
Gene No.	33477	Strand	-
Start	10689	End	15383
Name	OJ990527_27.9B15.C8.o6.tw	Method	TBLASTX:Wheat
Start	7166	End	7574
GI	none	Score	212
Exons	7166..7396, 7171..7398, 7428..7574		
Seq. No.	15816	Seq. ID	OJ990527_27.9B15.C8
Gene No.	33477	Strand	-
Start	10689	End	15383
Name	OJ990527_27.9B15.C8.o8.tw	Method	TBLASTX:Wheat
Start	7613	End	7871
GI	none	Score	183
Exons	7613..7867, 7614..7871		
Seq. No.	15816	Seq. ID	OJ990527_27.9B15.C8
Gene No.	33477	Strand	-
Start	10689	End	15383
Name	OJ990527_27.9B15.C8.o2.tm	Method	TBLASTX:Maize
Start	8076	End	8381
GI	none	Score	315
Exons	8076..8381, 8093..8362		
Seq. No.	15816	Seq. ID	OJ990527_27.9B15.C8
Gene No.	33477	Strand	-
Start	10689	End	15383
Name	OJ990527_27.9B15.C8.o4.tw	Method	TBLASTX:Wheat
Start	8207	End	8588
GI	none	Score	340
Exons	8207..8551, 8208..8588		

Seq. No.	15816	Seq. ID	OJ990527_27.9B15.C8
Gene No.	33477	Strand	-
Start	10689	End	15383
Name	OJ990527_27.9B15.C8.o7.tw	Method	TBLASTX:Wheat
Start	8595	End	9191
GI	none	Score	278
Exons	8595..8915, 8597..8686, 8732..8839, 9060..9191, 9065..9190		

Seq. No.	15816	Seq. ID	OJ990527_27.9B15.C8
Gene No.	33477	Strand	-
Start	10689	End	15383
Name	OJ990527_27.9B15.C8.o2.np	Method	AAT/NAP
Start	10689	End	12418
GI	6721561	Score	999
Exons	10689..11451, 11537..11595, 11664..11858, 12350..12418		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	15816	Seq. ID	OJ990527_27.9B15.C8
Gene No.	33477	Strand	-
Start	10689	End	15383
Name	OJ990527_27.9B15.C8.o3.np	Method	AAT/NAP
Start	10800	End	12848
GI	6721558	Score	241
Exons	10800..10913, 11730..11828, 11925..12049, 12749..12848		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi\|6815083\|dbj\|BAA90369.1\| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	15816	Seq. ID	OJ990527_27.9B15.C8
Gene No.	33477	Strand	-
Start	10689	End	15383
Name	OJ990527_27.9B15.C8.o4.np	Method	AAT/NAP
Start	12061	End	15383
GI	6721512	Score	95
Exons	12061..12152, 13491..13648, 13677..13805, 15359..15383		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	15817	Seq. ID	OJ990527_27.9B15.C9
Gene No.	33478	Strand	+
Start	1	End	816
Name	OJ990527_27.9B15.C9.o1.gp	Method	AAT/GAP
Start	1	End	566
GI	69380_1.R1084	Score	241
Exons	1..111, 531..566		
GI Descrip.	'4521194/dbj\|AB013613.1\|AB013613 6.0e-40 Oryza sativa DNA, centromere sequence RCB11'		

Seq. No.	15817	Seq. ID	OJ990527_27.9B15.C9
Gene No.	33478	Strand	+
Start	1	End	816
Name	OJ990527_27.9B15.C9.o1.tm	Method	TBLASTX:Maize
Start	1	End	565

GI	none	Score	114
Exons	1..72, 2..112, 3..113, 3..116, 530..565		

Seq. No.	15817	Seq. ID	OJ990527_27.9B15.C9
Gene No.	33478	Strand	+
Start	1	End	816
Name	OJ990527_27.9B15.C9.o1.gs	Method	GENSCAN
Start	28	End	816
GI	none	Score	.68
Exons	28..111, 508..816		

Seq. No.	15818	Seq. ID	OJ990527_27.9B15.C11
Gene No.	33479	Strand	+
Start	1320	End	4173
Name	OJ990527_27.9B15.C11.o1.np	Method	AAT/NAP
Start	1320	End	4158
GI	6862925	Score	1397
Exons	1320..1377, 1603..3577, 3700..3941, 3972..4158		
GI Descrip.	(AC018907) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	15818	Seq. ID	OJ990527_27.9B15.C11
Gene No.	33479	Strand	+
Start	1320	End	4173
Name	OJ990527_27.9B15.C11.o1.gs	Method	GENSCAN
Start	1475	End	4173
GI	none	Score	.57
Exons	1475..3577, 3700..4173		

Seq. No.	15818	Seq. ID	OJ990527_27.9B15.C11
Gene No.	33480	Strand	+
Start	7095	End	7474
Name	OJ990527_27.9B15.C11.o1.gp	Method	AAT/GAP
Start	7095	End	7474
GI	699970	Score	711
Exons	7095..7474		

Seq. No.	15818	Seq. ID	OJ990527_27.9B15.C11
Gene No.	33481	Strand	+
Start	8773	End	9219
Name	OJ990527_27.9B15.C11.o2.gp	Method	AAT/GAP
Start	8773	End	9219
GI	none	Score	863
Exons	8773..9219		

Seq. No.	15818	Seq. ID	OJ990527_27.9B15.C11
Gene No.	33482	Strand	+
Start	9156	End	10160
Name	OJ990527_27.9B15.C11.o2.np	Method	AAT/NAP
Start	9156	End	10160
GI	1001294	Score	156
Exons	9156..9266, 9700..9778, 9884..9977, 10061..10160		
GI Descrip.	(D64006) hypothetical protein [Synechocystis sp.]		

Seq. No.	15818	Seq. ID	OJ990527_27.9B15.C11
Gene No.	33483	Strand	+
Start	10068	End	11192
Name	OJ990527_27.9B15.C11.o3.gp	Method	AAT/GAP

Start	10068	End	11192
GI	none	Score	1317
Exons	10068..10199, 10633..11192		

Seq. No.	15818	Seq. ID	OJ990527_27.9B15.C11
Gene No.	33484	Strand	-
Start	11193	End	16800
Name	OJ990527_27.9B15.C11.o1.tc	Method	TBLASTX:Cress
Start	1730	End	1975
GI	none	Score	283
Exons	1730..1975, 1744..1974		

Seq. No.	15818	Seq. ID	OJ990527_27.9B15.C11
Gene No.	33484	Strand	-
Start	11193	End	16800
Name	OJ990527_27.9B15.C11.o1.tm	Method	TBLASTX:Maize
Start	2276	End	2686
GI	none	Score	102
Exons	2276..2425, 2286..2414, 2432..2623, 2434..2637, 2509..2646, 2618..2686		

Seq. No.	15818	Seq. ID	OJ990527_27.9B15.C11
Gene No.	33484	Strand	-
Start	11193	End	16800
Name	OJ990527_27.9B15.C11.o2.ts	Method	TBLASTX:Soybean
Start	2771	End	3163
GI	none	Score	87
Exons	2771..2866, 2792..3163, 2914..3162		

Seq. No.	15818	Seq. ID	OJ990527_27.9B15.C11
Gene No.	33484	Strand	-
Start	11193	End	16800
Name	OJ990527_27.9B15.C11.o1.ts	Method	TBLASTX:Soybean
Start	5332	End	7077
GI	none	Score	578
Exons	5332..5853, 5334..5429, 5523..5867, 7018..7077		

Seq. No.	15818	Seq. ID	OJ990527_27.9B15.C11
Gene No.	33484	Strand	-
Start	11193	End	16800
Name	OJ990527_27.9B15.C11.o2.tc	Method	TBLASTX:Cress
Start	5776	End	7521
GI	none	Score	129
Exons	5776..5853, 7018..7203, 7020..7199, 7387..7521, 7425..7520		

Seq. No.	15818	Seq. ID	OJ990527_27.9B15.C11
Gene No.	33484	Strand	-
Start	11193	End	16800
Name	OJ990527_27.9B15.C11.o2.tm	Method	TBLASTX:Maize
Start	7036	End	7257
GI	none	Score	282
Exons	7036..7257, 7038..7256, 7048..7257		

Seq. No.	15818	Seq. ID	OJ990527_27.9B15.C11
Gene No.	33484	Strand	-
Start	11193	End	16800
Name	OJ990527_27.9B15.C11.o3.gs	Method	GENSCAN

Start	11193	End	16659
GI	none	Score	.61
Exons	11193..11256, 11568..11622, 11841..11955, 12001..12123, 12701..12760, 14919..15028, 16100..16166, 16315..16659		

Seq. No.	15818	Seq. ID	OJ990527_27.9B15.C11
Gene No.	33484	Strand	-
Start	11193	End	16800
Name	OJ990527_27.9B15.C11.o4.gp	Method	AAT/GAP
Start	11405	End	12393
GI	1897_1.R1084	Score	798
Exons	11405..11622, 11841..11955, 12064..12123, 12311..12393		
GI Descrip.	'3776581 5.0e-33 (AC005388) Similar to Beta integral membrane protein homolog gb_U43629 from A. thaliana. [Arabidopsis thaliana]'		

Seq. No.	15818	Seq. ID	OJ990527_27.9B15.C11
Gene No.	33484	Strand	-
Start	11193	End	16800
Name	OJ990527_27.9B15.C11.o3.np	Method	AAT/NAP
Start	11504	End	16800
GI	3776581	Score	619
Exons	11504..11622, 11841..11955, 12064..12123, 13169..13212, 13526..13610, 13725..13805, 14113..14232, 14624..14688, 14756..14831, 14919..14984, 15292..15357, 15443..15502, 15582..15671, 16104..16166, 16315..16364, 16767..16800		
GI Descrip.	(AC005388) Similar to Beta integral membrane protein homolog gb\|U43629 from A. thaliana. [Arabidopsis thaliana]		

Seq. No.	15818	Seq. ID	OJ990527_27.9B15.C11
Gene No.	33484	Strand	-
Start	11193	End	16800
Name	OJ990527_27.9B15.C11.o3.tc	Method	TBLASTX:Cress
Start	11519	End	12124
GI	none	Score	76
Exons	11519..11626, 11526..11627, 11837..11956, 11839..11967, 12061..12123, 12065..12124		

Seq. No.	15818	Seq. ID	OJ990527_27.9B15.C11
Gene No.	33484	Strand	-
Start	11193	End	16800
Name	OJ990527_27.9B15.C11.o3.ts	Method	TBLASTX:Soybean
Start	11828	End	12933
GI	none	Score	80
Exons	11828..11956, 11839..11961, 11839..11967, 12061..12123, 12064..12105, 12065..12112, 12620..12769, 12663..12770, 12874..12915, 12877..12933		

Seq. No.	15818	Seq. ID	OJ990527_27.9B15.C11
Gene No.	33484	Strand	-
Start	11193	End	16800
Name	OJ990527_27.9B15.C11.o4.tm	Method	TBLASTX:Maize
Start	13518	End	13805
GI	none	Score	129
Exons	13518..13622, 13522..13611, 13719..13802, 13722..13805		

Seq. No.	15818	Seq. ID	OJ990527_27.9B15.C11

Gene No.	33484	Strand	-
Start	11193	End	16800
Name	OJ990527_27.9B15.C11.o3.tm	Method	TBLASTX:Maize
Start	14146	End	15684
GI	none	Score	91
Exons	14146..14211, 14619..14690, 14619..14690, 14623..14691, 14624..14698, 14624..14698, 14748..14828, 14748..14834, 14749..14832, 14916..14984, 14919..14984, 14923..14985, 15283..15360, 15288..15359, 15289..15360, 15290..15361, 15425..15502, 15441..15512, 15445..15501, 15446..15502, 15571..15684, 15585..15671		

Seq. No.	15819	Seq. ID	OJ990527_27.9B15.C12
Gene No.	33485	Strand	+
Start	5397	End	6668
Name	OJ990527_27.9B15.C12.o2.np	Method	AAT/NAP
Start	5397	End	6668
GI	6907106	Score	184
Exons	5397..5612, 5658..6086, 6484..6668		
GI Descrip.	(AP001129) EST AU068291(C12960) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	15819	Seq. ID	OJ990527_27.9B15.C12
Gene No.	33486	Strand	-
Start	1	End	10942
Name	OJ990527_27.9B15.C12.o1.np	Method	AAT/NAP
Start	1	End	4440
GI	5852176	Score	2972
Exons	1..172, 531..555, 653..818, 1110..1410, 1465..1636, 1725..1928, 2814..3035, 3111..3641, 4296..4440		
GI Descrip.	(AL117265) zhb0006.1 [Oryza sativa]		

Seq. No.	15819	Seq. ID	OJ990527_27.9B15.C12
Gene No.	33486	Strand	-
Start	1	End	10942
Name	OJ990527_27.9B15.C12.o1.gs	Method	GENSCAN
Start	49	End	10942
GI	none	Score	.66
Exons	49..172, 578..818, 986..1240, 1280..1636, 1725..1928, 2002..2161, 2492..2683, 2778..2826, 2909..3035, 3111..3641, 4296..4435, 5299..5540, 5698..5899, 7071..7096, 7306..7365, 7554..7607, 7821..7880, 8099..8142, 8218..8302, 9715..9804, 9925..9987, 10700..10853, 10881..10942		

Seq. No.	15819	Seq. ID	OJ990527_27.9B15.C12
Gene No.	33486	Strand	-
Start	1	End	10942
Name	OJ990527_27.9B15.C12.o3.tm	Method	TBLASTX:Maize
Start	436	End	612
GI	none	Score	85
Exons	436..612, 449..550, 574..606		

Seq. No.	15819	Seq. ID	OJ990527_27.9B15.C12
Gene No.	33486	Strand	-
Start	1	End	10942
Name	OJ990527_27.9B15.C12.o1.tw	Method	TBLASTX:Wheat
Start	1395	End	1634

GI	none	Score	106
Exons	1395..1634, 1498..1632		

Seq. No.	15819	Seq. ID	OJ990527_27.9B15.C12
Gene No.	33486	Strand	-
Start	1	End	10942
Name	OJ990527_27.9B15.C12.o1.ts	Method	TBLASTX:Soybean
Start	1437	End	1649
GI	none	Score	86
Exons	1437..1517, 1524..1649, 1533..1646		

Seq. No.	15819	Seq. ID	OJ990527_27.9B15.C12
Gene No.	33486	Strand	-
Start	1	End	10942
Name	OJ990527_27.9B15.C12.o2.tc	Method	TBLASTX:Cress
Start	1437	End	3738
GI	none	Score	61
Exons	1437..1634, 1492..1632, 1994..2407, 2447..2674, 2505..2672, 2812..3039, 3625..3738		

Seq. No.	15819	Seq. ID	OJ990527_27.9B15.C12
Gene No.	33486	Strand	-
Start	1	End	10942
Name	OJ990527_27.9B15.C12.o2.tm	Method	TBLASTX:Maize
Start	1437	End	1634
GI	none	Score	194
Exons	1437..1634		

Seq. No.	15819	Seq. ID	OJ990527_27.9B15.C12
Gene No.	33486	Strand	-
Start	1	End	10942
Name	OJ990527_27.9B15.C12.o1.gp	Method	AAT/GAP
Start	6319	End	8133
GI	33883_1.R1084	Score	1452
Exons	6319..6726, 7071..7185, 7306..7365, 7554..7607, 7821..7880, 7965..8027, 8099..8133		
GI Descrip.	'4249409 4.0e-40 (AC006072) putative sugar transporter [Arabidopsis thaliana]'		

Seq. No.	15819	Seq. ID	OJ990527_27.9B15.C12
Gene No.	33486	Strand	-
Start	1	End	10942
Name	OJ990527_27.9B15.C12.o3.np	Method	AAT/NAP
Start	6605	End	10758
GI	3776581	Score	659
Exons	6605..6726, 7071..7185, 7306..7365, 8099..8142, 8218..8302, 8451..8531, 8610..8724, 8910..8979, 9066..9141, 9225..9290, 9417..9478, 9562..9625, 9715..9804, 9925..9987, 10700..10758		
GI Descrip.	(AC005388) Similar to Beta integral membrane protein homolog gb\|U43629 from A. thaliana. [Arabidopsis thaliana]		

Seq. No.	15819	Seq. ID	OJ990527_27.9B15.C12
Gene No.	33486	Strand	-
Start	1	End	10942
Name	OJ990527_27.9B15.C12.o3.tc	Method	TBLASTX:Cress
Start	6620	End	7366
GI	none	Score	100

Exons	6620..6730, 7067..7186, 7069..7188, 7294..7365, 7307..7366		
Seq. No.	15819	Seq. ID	OJ990527_27.9B15.C12
Gene No.	33486	Strand	-
Start	1	End	10942
Name	OJ990527_27.9B15.C12.o2.ts	Method	TBLASTX:Soybean
Start	7067	End	8027
GI	none	Score	77
Exons	7067..7162, 7069..7188, 7294..7365, 7307..7357, 7807..7890, 7821..7889, 7968..8027, 7981..8025		
Seq. No.	15819	Seq. ID	OJ990527_27.9B15.C12
Gene No.	33486	Strand	-
Start	1	End	10942
Name	OJ990527_27.9B15.C12.o1.tm	Method	TBLASTX:Maize
Start	8643	End	9811
GI	none	Score	74
Exons	8643..8702, 8910..8993, 8915..8980, 9064..9144, 9065..9142, 9222..9290, 9225..9290, 9226..9291, 9226..9297, 9391..9489, 9416..9484, 9416..9493, 9538..9579, 9566..9625, 9613..9807, 9662..9799, 9704..9811		
Seq. No.	15819	Seq. ID	OJ990527_27.9B15.C12
Gene No.	33486	Strand	-
Start	1	End	10942
Name	OJ990527_27.9B15.C12.o1.tc	Method	TBLASTX:Cress
Start	8915	End	10747
GI	none	Score	75
Exons	8915..8980, 8916..8993, 9062..9136, 9064..9144, 9222..9290, 9226..9291, 9408..9485, 9566..9622, 9718..9807, 9725..9814, 9855..9890, 10700..10747		
Seq. No.	15820	Seq. ID	OJ990527_27.9B15.C13
Gene No.	33487	Strand	+
Start	1	End	431
Name	OJ990527_27.9B15.C13.o1.gp	Method	AAT/GAP
Start	1	End	391
GI	LIB3477-003-P1-K1-E9	Score	126
Exons	1..70, 359..391		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORYS 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		
Seq. No.	15820	Seq. ID	OJ990527_27.9B15.C13
Gene No.	33487	Strand	+
Start	1	End	431
Name	OJ990527_27.9B15.C13.o1.gs	Method	GENSCAN
Start	161	End	431
GI	none	Score	.75
Exons	161..255, 362..431		
Seq. No.	15820	Seq. ID	OJ990527_27.9B15.C13
Gene No.	33488	Strand	-
Start	1016	End	1112
Name	OJ990527_27.9B15.C13.o2.gs	Method	GENSCAN
Start	1016	End	1112
GI	none	Score	.94

Exons	1016..1112		
Seq. No.	15821	Seq. ID	OJ990517_21.9B19.C1
Gene No.	33489	Strand	+
Start	244	End	518
Name	OJ990517_21.9B19.C1.o1.gp	Method	AAT/GAP
Start	244	End	518
GI	61605_1.R1084	Score	465
Exons	244..518		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	15821	Seq. ID	OJ990517_21.9B19.C1
Gene No.	33490	Strand	+
Start	650	End	2714
Name	OJ990517_21.9B19.C1.o1.np	Method	AAT/NAP
Start	650	End	2714
GI	4680179	Score	763
Exons	650..695, 1078..2147, 2681..2714		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	15821	Seq. ID	OJ990517_21.9B19.C1
Gene No.	33490	Strand	+
Start	650	End	2714
Name	OJ990517_21.9B19.C1.o1.gs	Method	GENSCAN
Start	1078	End	2193
GI	none	Score	.53
Exons	1078..2193		
Seq. No.	15821	Seq. ID	OJ990517_21.9B19.C1
Gene No.	33490	Strand	+
Start	650	End	2714
Name	OJ990517_21.9B19.C1.o1.tw	Method	TBLASTX:Wheat
Start	1240	End	1596
GI	none	Score	289
Exons	1240..1596, 1248..1418, 1447..1587, 1455..1595		
Seq. No.	15821	Seq. ID	OJ990517_21.9B19.C1
Gene No.	33490	Strand	+
Start	650	End	2714
Name	OJ990517_21.9B19.C1.o1.tm	Method	TBLASTX:Maize
Start	1477	End	1767
GI	none	Score	217
Exons	1477..1740, 1500..1664, 1705..1767		
Seq. No.	15822	Seq. ID	OJ990517_21.9B19.C2
Gene No.	33491	Strand	+
Start	2277	End	2954
Name	OJ990517_21.9B19.C2.o2.gs	Method	GENSCAN
Start	2277	End	2954
GI	none	Score	.85
Exons	2277..2330, 2439..2954		
Seq. No.	15822	Seq. ID	OJ990517_21.9B19.C2
Gene No.	33492	Strand	+
Start	4633	End	4905
Name	OJ990517_21.9B19.C2.o1.gp	Method	AAT/GAP

Start	4633	End	4905
GI	61605_1.R1084	Score	462
Exons	4633..4905		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	15822	Seq. ID	OJ990517_21.9B19.C2
Gene No.	33493	Strand	-
Start	695	End	8601
Name	OJ990517_21.9B19.C2.o1.gs	Method	GENSCAN
Start	695	End	1447
GI	none	Score	.9
Exons	695..1447		

Seq. No.	15822	Seq. ID	OJ990517_21.9B19.C2
Gene No.	33493	Strand	-
Start	695	End	8601
Name	OJ990517_21.9B19.C2.o1.np	Method	AAT/NAP
Start	698	End	8601
GI	4680179	Score	5632
Exons	698..1485, 4909..7522, 7550..8601		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	15822	Seq. ID	OJ990517_21.9B19.C2
Gene No.	33493	Strand	-
Start	695	End	8601
Name	OJ990517_21.9B19.C2.o6.tw	Method	TBLASTX:Wheat
Start	743	End	1076
GI	none	Score	41
Exons	743..1075, 936..983, 968..1072, 1002..1076		

Seq. No.	15822	Seq. ID	OJ990517_21.9B19.C2
Gene No.	33493	Strand	-
Start	695	End	8601
Name	OJ990517_21.9B19.C2.o1.tm	Method	TBLASTX:Maize
Start	938	End	4945
GI	none	Score	148
Exons	938..1363, 1062..1364, 1359..1487, 1361..1489, 1368..1490, 4865..4945		

Seq. No.	15822	Seq. ID	OJ990517_21.9B19.C2
Gene No.	33493	Strand	-
Start	695	End	8601
Name	OJ990517_21.9B19.C2.o4.tw	Method	TBLASTX:Wheat
Start	1076	End	5125
GI	none	Score	51
Exons	1076..1489, 1077..1145, 1082..1327, 1188..1490, 4901..5032, 4910..5125, 4911..5123		

Seq. No.	15822	Seq. ID	OJ990517_21.9B19.C2
Gene No.	33493	Strand	-
Start	695	End	8601
Name	OJ990517_21.9B19.C2.o3.gs	Method	GENSCAN
Start	3390	End	8551
GI	none	Score	.66
Exons	3390..3515, 4609..4689, 5042..8551		

Seq. No.	15822	Seq. ID	OJ990517_21.9B19.C2
Gene No.	33493	Strand	-
Start	695	End	8601
Name	OJ990517_21.9B19.C2.o3.tm	Method	TBLASTX:Maize
Start	4994	End	5286
GI	none	Score	287
Exons	4994..5284, 4998..5285, 5013..5285, 5053..5286		

Seq. No.	15822	Seq. ID	OJ990517_21.9B19.C2
Gene No.	33493	Strand	-
Start	695	End	8601
Name	OJ990517_21.9B19.C2.o2.ts	Method	TBLASTX:Soybean
Start	5084	End	5344
GI	none	Score	188
Exons	5084..5344, 5085..5342		

Seq. No.	15822	Seq. ID	OJ990517_21.9B19.C2
Gene No.	33493	Strand	-
Start	695	End	8601
Name	OJ990517_21.9B19.C2.o1.tc	Method	TBLASTX:Cress
Start	5108	End	5434
GI	none	Score	86
Exons	5108..5251, 5127..5249, 5252..5434		

Seq. No.	15822	Seq. ID	OJ990517_21.9B19.C2
Gene No.	33493	Strand	-
Start	695	End	8601
Name	OJ990517_21.9B19.C2.o1.tw	Method	TBLASTX:Wheat
Start	5132	End	5668
GI	none	Score	351
Exons	5132..5668, 5133..5666		

Seq. No.	15822	Seq. ID	OJ990517_21.9B19.C2
Gene No.	33493	Strand	-
Start	695	End	8601
Name	OJ990517_21.9B19.C2.o2.tm	Method	TBLASTX:Maize
Start	5699	End	6052
GI	none	Score	49
Exons	5699..6052, 5706..5738, 5714..6046, 5784..6047		

Seq. No.	15822	Seq. ID	OJ990517_21.9B19.C2
Gene No.	33493	Strand	-
Start	695	End	8601
Name	OJ990517_21.9B19.C2.o2.tw	Method	TBLASTX:Wheat
Start	5699	End	6125
GI	none	Score	232
Exons	5699..6049, 5699..6124, 5706..6125		

Seq. No.	15822	Seq. ID	OJ990517_21.9B19.C2
Gene No.	33493	Strand	-
Start	695	End	8601
Name	OJ990517_21.9B19.C2.o3.ts	Method	TBLASTX:Soybean
Start	5870	End	6118
GI	none	Score	211
Exons	5870..6118		

Seq. No.	15822	Seq. ID	OJ990517_21.9B19.C2

Gene No.	33493	Strand	-
Start	695	End	8601
Name	OJ990517_21.9B19.C2.o5.tm	Method	TBLASTX:Maize
Start	6054	End	6391
GI	none	Score	153
Exons	6054..6338, 6059..6391		

Seq. No.	15822	Seq. ID	OJ990517_21.9B19.C2
Gene No.	33493	Strand	-
Start	695	End	8601
Name	OJ990517_21.9B19.C2.o5.tw	Method	TBLASTX:Wheat
Start	6126	End	6400
GI	none	Score	254
Exons	6126..6380, 6128..6388, 6158..6400		

Seq. No.	15822	Seq. ID	OJ990517_21.9B19.C2
Gene No.	33493	Strand	-
Start	695	End	8601
Name	OJ990517_21.9B19.C2.o1.ts	Method	TBLASTX:Soybean
Start	6140	End	6535
GI	none	Score	168
Exons	6140..6391, 6150..6380, 6197..6394, 6355..6495, 6446..6499, 6503..6535, 6503..6535		

Seq. No.	15822	Seq. ID	OJ990517_21.9B19.C2
Gene No.	33493	Strand	-
Start	695	End	8601
Name	OJ990517_21.9B19.C2.o4.tm	Method	TBLASTX:Maize
Start	6446	End	6893
GI	none	Score	122
Exons	6446..6889, 6455..6817, 6711..6893		

Seq. No.	15822	Seq. ID	OJ990517_21.9B19.C2
Gene No.	33493	Strand	-
Start	695	End	8601
Name	OJ990517_21.9B19.C2.o3.tw	Method	TBLASTX:Wheat
Start	6476	End	6962
GI	none	Score	211
Exons	6476..6958, 6518..6847, 6669..6962		

Seq. No.	15822	Seq. ID	OJ990517_21.9B19.C2
Gene No.	33493	Strand	-
Start	695	End	8601
Name	OJ990517_21.9B19.C2.o4.ts	Method	TBLASTX:Soybean
Start	6608	End	6922
GI	none	Score	196
Exons	6608..6922		

Seq. No.	15822	Seq. ID	OJ990517_21.9B19.C2
Gene No.	33493	Strand	-
Start	695	End	8601
Name	OJ990517_21.9B19.C2.o8.tw	Method	TBLASTX:Wheat
Start	7097	End	7444
GI	none	Score	55
Exons	7097..7444, 7134..7265		

Seq. No.	15822	Seq. ID	OJ990517_21.9B19.C2

Gene No.	33493	Strand	-
Start	695	End	8601
Name	OJ990517_21.9B19.C2.o7.tw	Method	TBLASTX:Wheat
Start	7799	End	8144
GI	none	Score	38
Exons	7799..8143, 7948..8028, 8013..8144		

Seq. No.	15822	Seq. ID	OJ990517_21.9B19.C2
Gene No.	33493	Strand	-
Start	695	End	8601
Name	OJ990517_21.9B19.C2.o6.tm	Method	TBLASTX:Maize
Start	7844	End	8143
GI	none	Score	46
Exons	7844..8143, 7845..7925, 8013..8117		

Seq. No.	15822	Seq. ID	OJ990517_21.9B19.C2
Gene No.	33493	Strand	-
Start	695	End	8601
Name	OJ990517_21.9B19.C2.o9.tw	Method	TBLASTX:Wheat
Start	8195	End	8377
GI	none	Score	130
Exons	8195..8377, 8196..8375		

Seq. No.	15823	Seq. ID	OJ990517_21.9B19.C3
Gene No.	33494	Strand	-
Start	1	End	537
Name	OJ990517_21.9B19.C3.o1.np	Method	AAT/NAP
Start	1	End	537
GI	4512229	Score	872
Exons	1..537		
GI Descrip.	(AB014740) ORF0 protein [Oryza sativa]		

Seq. No.	15823	Seq. ID	OJ990517_21.9B19.C3
Gene No.	33494	Strand	-
Start	1	End	537
Name	OJ990517_21.9B19.C3.o1.gs	Method	GENSCAN
Start	238	End	537
GI	none	Score	.93
Exons	238..537		

Seq. No.	15824	Seq. ID	OJ990517_21.9B19.C4
Gene No.	33495	Strand	+
Start	1	End	1651
Name	OJ990517_21.9B19.C4.o1.np	Method	AAT/NAP
Start	1	End	1651
GI	6907087	Score	755
Exons	1..286, 332..998, 1550..1651		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	15824	Seq. ID	OJ990517_21.9B19.C4
Gene No.	33496	Strand	+
Start	2117	End	2489
Name	OJ990517_21.9B19.C4.o1.gp	Method	AAT/GAP
Start	2117	End	2489
GI	uC-osflcyp033a04b1	Score	512

Exons	2117..2489		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	15824	Seq. ID	OJ990517_21.9B19.C4
Gene No.	33497	Strand	+
Start	3231	End	7580
Name	OJ990517_21.9B19.C4.o3.np	Method	AAT/NAP
Start	3231	End	7580
GI	130582	Score	51
Exons	3231..3285, 4926..5064, 7553..7580		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi\|100342\|pir\|\|S04273 hypothetical protein - common tobacco gi\|20045\|emb\|CAA32025\| (X13777) ORF [Nicotiana tabacum]		
Seq. No.	15824	Seq. ID	OJ990517_21.9B19.C4
Gene No.	33497	Strand	+
Start	3231	End	7580
Name	OJ990517_21.9B19.C4.o2.np	Method	AAT/NAP
Start	3340	End	7580
GI	4680179	Score	575
Exons	3340..3424, 3806..4706, 4857..4981, 7278..7580		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	15824	Seq. ID	OJ990517_21.9B19.C4
Gene No.	33497	Strand	+
Start	3231	End	7580
Name	OJ990517_21.9B19.C4.o4.np	Method	AAT/NAP
Start	6755	End	7580
GI	6907087	Score	475
Exons	6755..7129, 7339..7580		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	15824	Seq. ID	OJ990517_21.9B19.C4
Gene No.	33498	Strand	-
Start	69	End	1320
Name	OJ990517_21.9B19.C4.o1.gs	Method	GENSCAN
Start	69	End	1320
GI	none	Score	.42
Exons	69..541, 559..1223, 1238..1320		
Seq. No.	15824	Seq. ID	OJ990517_21.9B19.C4
Gene No.	33499	Strand	
Start	3967	End	4506
Name	OJ990517_21.9B19.C4.o1.tw	Method	TBLASTX:Wheat
Start	3967	End	4326
GI	none	Score	282
Exons	3967..4326, 3969..4322		
Seq. No.	15824	Seq. ID	OJ990517_21.9B19.C4
Gene No.	33499	Strand	
Start	3967	End	4506
Name	OJ990517_21.9B19.C4.o1.tm	Method	TBLASTX:Maize
Start	4207	End	4506

GI	none	Score	212
Exons	4207..4506, 4230..4310		

Seq. No.	15825	Seq. ID	OJ990517_21.9B19.C5
Gene No.	33500	Strand	+
Start	10694	End	18895
Name	OJ990517_21.9B19.C5.o4.gs	Method	GENSCAN
Start	10694	End	18895
GI	none	Score	.72
Exons	10694..10772, 12888..13648, 13717..13861, 14739..15444, 15488..15594, 18804..18895		

Seq. No.	15825	Seq. ID	OJ990517_21.9B19.C5
Gene No.	33500	Strand	+
Start	10694	End	18895
Name	OJ990517_21.9B19.C5.o3.gp	Method	AAT/GAP
Start	14637	End	15148
GI	uC-osflM202052c07b1	Score	943
Exons	14637..15148		
GI Descrip.	'4234848 1.0e-12 (AF082131) gag-pol polyprotein [Zea mays]'		

Seq. No.	15825	Seq. ID	OJ990517_21.9B19.C5
Gene No.	33500	Strand	+
Start	10694	End	18895
Name	OJ990517_21.9B19.C5.o2.np	Method	AAT/NAP
Start	14747	End	18337
GI	4234852	Score	2637
Exons	14747..14923, 14957..18337		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	15825	Seq. ID	OJ990517_21.9B19.C5
Gene No.	33501	Strand	+
Start	22860	End	25040
Name	OJ990517_21.9B19.C5.o3.np	Method	AAT/NAP
Start	22860	End	25040
GI	6815072	Score	344
Exons	22860..22885, 23538..23589, 24213..24600, 24709..25040		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	15825	Seq. ID	OJ990517_21.9B19.C5
Gene No.	33501	Strand	+
Start	22860	End	25040
Name	OJ990517_21.9B19.C5.o6.gs	Method	GENSCAN
Start	23707	End	24853
GI	none	Score	.68
Exons	23707..23740, 23829..23925, 24260..24853		

Seq. No.	15825	Seq. ID	OJ990517_21.9B19.C5
Gene No.	33502	Strand	-
Start	1005	End	5118
Name	OJ990517_21.9B19.C5.o1.np	Method	AAT/NAP
Start	1005	End	5118
GI	6063554	Score	307
Exons	1005..1178, 2120..2377, 2495..2692, 5046..5118		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical		

protein [Oryza sativa]

Seq. No.	15825	Seq. ID	OJ990517_21.9B19.C5
Gene No.	33503	Strand	-
Start	6765	End	9949
Name	OJ990517_21.9B19.C5.o3.gs	Method	GENSCAN
Start	6765	End	9949
GI	none	Score	.41
Exons	6765..7181, 7392..7895, 8007..8179, 8249..8945, 9454..9595, 9687..9949		

Seq. No.	15825	Seq. ID	OJ990517_21.9B19.C5
Gene No.	33504	Strand	-
Start	19397	End	22433
Name	OJ990517_21.9B19.C5.o2.tm	Method	TBLASTX:Maize
Start	14840	End	15780
GI	none	Score	454
Exons	14840..15418, 14962..15408, 15164..15442, 15519..15593, 15699..15761, 15700..15780		

Seq. No.	15825	Seq. ID	OJ990517_21.9B19.C5
Gene No.	33504	Strand	-
Start	19397	End	22433
Name	OJ990517_21.9B19.C5.o1.tw	Method	TBLASTX:Wheat
Start	16948	End	17730
GI	none	Score	287
Exons	16948..16998, 16968..17294, 16985..17296, 17070..17303, 17279..17632, 17280..17666, 17364..17672, 17656..17730		

Seq. No.	15825	Seq. ID	OJ990517_21.9B19.C5
Gene No.	33504	Strand	-
Start	19397	End	22433
Name	OJ990517_21.9B19.C5.o1.ts	Method	TBLASTX:Soybean
Start	16998	End	17378
GI	none	Score	270
Exons	16998..17333, 17003..17269, 17061..17333, 17346..17378		

Seq. No.	15825	Seq. ID	OJ990517_21.9B19.C5
Gene No.	33504	Strand	-
Start	19397	End	22433
Name	OJ990517_21.9B19.C5.o3.tm	Method	TBLASTX:Maize
Start	17088	End	17495
GI	none	Score	263
Exons	17088..17495, 17108..17257, 17366..17482		

Seq. No.	15825	Seq. ID	OJ990517_21.9B19.C5
Gene No.	33504	Strand	-
Start	19397	End	22433
Name	OJ990517_21.9B19.C5.o2.ts	Method	TBLASTX:Soybean
Start	17716	End	18283
GI	none	Score	118
Exons	17716..17898, 17911..18063, 18092..18283		

Seq. No.	15825	Seq. ID	OJ990517_21.9B19.C5
Gene No.	33504	Strand	-
Start	19397	End	22433
Name	OJ990517_21.9B19.C5.o4.tm	Method	TBLASTX:Maize

Start	17716	End	18298
GI	none	Score	111
Exons	17716..17898, 17881..18072, 18107..18298		

Seq. No.	15825	Seq. ID	OJ990517_21.9B19.C5
Gene No.	33504	Strand	-
Start	19397	End	22433
Name	OJ990517_21.9B19.C5.o2.tw	Method	TBLASTX:Wheat
Start	17886	End	18286
GI	none	Score	161
Exons	17886..18062, 17890..18063, 18071..18286, 18169..18285		

Seq. No.	15825	Seq. ID	OJ990517_21.9B19.C5
Gene No.	33504	Strand	-
Start	19397	End	22433
Name	OJ990517_21.9B19.C5.o5.gs	Method	GENSCAN
Start	19397	End	22433
GI	none	Score	.69
Exons	19397..19843, 20045..20917, 20958..21717, 21764..21949, 22143..22271, 22330..22433		

Seq. No.	15825	Seq. ID	OJ990517_21.9B19.C5
Gene No.	33505	Strand	
Start	24309	End	25040
Name	OJ990517_21.9B19.C5.o1.tm	Method	TBLASTX:Maize
Start	24309	End	25040
GI	none	Score	75
Exons	24309..24362, 24377..24709, 24378..24827, 24474..24842, 24831..25040, 24848..24988		

Seq. No.	15826	Seq. ID	OJ990517_21.9B19.C6
Gene No.	33506	Strand	-
Start	1	End	250
Name	OJ990517_21.9B19.C6.o1.np	Method	AAT/NAP
Start	1	End	250
GI	6970289	Score	179
Exons	1..250		
GI Descrip.	(AC021666) hypothetical protein, 5' partial [Arabidopsis thaliana]		

Seq. No.	15826	Seq. ID	OJ990517_21.9B19.C6
Gene No.	33506	Strand	-
Start	1	End	250
Name	OJ990517_21.9B19.C6.o1.tm	Method	TBLASTX:Maize
Start	2	End	238
GI	none	Score	59
Exons	2..238, 17..235, 84..236		

Seq. No.	15827	Seq. ID	OJ990517_21.9B19.C7
Gene No.	33507	Strand	-
Start	4799	End	5235
Name	OJ990517_21.9B19.C7.o3.gs	Method	GENSCAN
Start	4799	End	5235
GI	none	Score	.8
Exons	4799..4855, 5089..5235		

Seq. No.	15827	Seq. ID	OJ990517_21.9B19.C7

Gene No.	33508	Strand	-
Start	7128	End	10049
Name	OJ990517_21.9B19.C7.o3.tm	Method	TBLASTX:Maize
Start	7110	End	7268
GI	none	Score	122
Exons	7110..7268, 7129..7263		

Seq. No.	15827	Seq. ID	OJ990517_21.9B19.C7
Gene No.	33508	Strand	-
Start	7128	End	10049
Name	OJ990517_21.9B19.C7.o1.np	Method	AAT/NAP
Start	7128	End	10049
GI	6498441	Score	3714
Exons	7128..7409, 7503..8900, 9073..9555, 9748..10049		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	15827	Seq. ID	OJ990517_21.9B19.C7
Gene No.	33508	Strand	-
Start	7128	End	10049
Name	OJ990517_21.9B19.C7.o3.tw	Method	TBLASTX:Wheat
Start	7137	End	7739
GI	none	Score	83
Exons	7137..7262, 7141..7263, 7455..7739, 7456..7734		

Seq. No.	15827	Seq. ID	OJ990517_21.9B19.C7
Gene No.	33508	Strand	-
Start	7128	End	10049
Name	OJ990517_21.9B19.C7.o1.tw	Method	TBLASTX:Wheat
Start	7740	End	8121
GI	none	Score	165
Exons	7740..8120, 7771..8019, 8065..8121		

Seq. No.	15827	Seq. ID	OJ990517_21.9B19.C7
Gene No.	33508	Strand	-
Start	7128	End	10049
Name	OJ990517_21.9B19.C7.o1.tm	Method	TBLASTX:Maize
Start	7935	End	8258
GI	none	Score	192
Exons	7935..8258, 7948..8229		

Seq. No.	15827	Seq. ID	OJ990517_21.9B19.C7
Gene No.	33508	Strand	-
Start	7128	End	10049
Name	OJ990517_21.9B19.C7.o5.tw	Method	TBLASTX:Wheat
Start	8451	End	8763
GI	none	Score	58
Exons	8451..8726, 8562..8750, 8587..8763		

Seq. No.	15827	Seq. ID	OJ990517_21.9B19.C7
Gene No.	33508	Strand	-
Start	7128	End	10049
Name	OJ990517_21.9B19.C7.o1.ts	Method	TBLASTX:Soybean
Start	8511	End	9078
GI	5666795	Score	68
Exons	8511..8717, 8766..8900, 8980..9078		

GI Descrip. 4206306 2.0e-10 (AF049110) prpol [Zea mays]

Seq. No.	15827	Seq. ID	OJ990517_21.9B19.C7
Gene No.	33508	Strand	-
Start	7128	End	10049
Name	OJ990517_21.9B19.C7.o2.tw	Method	TBLASTX:Wheat
Start	8766	End	9225
GI	none	Score	63
Exons	8766..8915, 8767..8889, 8963..9136, 8972..9016, 8977..9225, 8977..9201, 9003..9221		

Seq. No.	15827	Seq. ID	OJ990517_21.9B19.C7
Gene No.	33508	Strand	-
Start	7128	End	10049
Name	OJ990517_21.9B19.C7.o2.tm	Method	TBLASTX:Maize
Start	9742	End	10044
GI	none	Score	57
Exons	9742..9855, 9773..9853, 9866..10039, 9874..10044		

Seq. No.	15827	Seq. ID	OJ990517_21.9B19.C7
Gene No.	33508	Strand	-
Start	7128	End	10049
Name	OJ990517_21.9B19.C7.o4.tw	Method	TBLASTX:Wheat
Start	9772	End	10027
GI	none	Score	116
Exons	9772..10026, 9773..10027		

Seq. No.	15827	Seq. ID	OJ990517_21.9B19.C7
Gene No.	33508	Strand	-
Start	7128	End	10049
Name	OJ990517_21.9B19.C7.o2.np	Method	AAT/NAP
Start	9778	End	10049
GI	3695395	Score	140
Exons	9778..10049		
GI Descrip.	(AF096372) contains similarity to reverse transcriptase (Pfam: PF00078 rvt, E=4.3e-08) [Arabidopsis thaliana]		

Seq. No.	15828	Seq. ID	OJ990517_21.9B19.C8
Gene No.	33509	Strand	+
Start	1	End	307
Name	OJ990517_21.9B19.C8.o1.np	Method	AAT/NAP
Start	1	End	307
GI	4585985	Score	274
Exons	1..307		
GI Descrip.	(AC005287) Hypothetical protein [Arabidopsis thaliana]		

Seq. No.	15829	Seq. ID	OJ990517_21.9B19.C10
Gene No.	33510	Strand	+
Start	5110	End	10404
Name	OJ990517_21.9B19.C10.o1.np	Method	AAT/NAP
Start	5110	End	10404
GI	6069646	Score	1023
Exons	5110..5166, 8302..9145, 9428..10404		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248)		

[Oryza sativa]

Seq. No.	15829	Seq. ID	OJ990517_21.9B19.C10
Gene No.	33510	Strand	+
Start	5110	End	10404
Name	OJ990517_21.9B19.C10.o2.gs	Method	GENSCAN
Start	6882	End	10339
GI	none	Score	.41
Exons	6882..7246, 7279:.7455, 7699..7825, 7902..8111, 8147..9095, 9684..10339		

Seq. No.	15829	Seq. ID	OJ990517_21.9B19.C10
Gene No.	33511	Strand	-
Start	1643	End	2629
Name	OJ990517_21.9B19.C10.o1.gs	Method	GENSCAN
Start	1643	End	2629
GI	none	Score	.91
Exons	1643..2080, 2546..2629		

Seq. No.	15829	Seq. ID	OJ990517_21.9B19.C10
Gene No.	33512	Strand	
Start	7709	End	8020
Name	OJ990517_21.9B19.C10.o4.tm	Method	TBLASTX:Maize
Start	7709	End	8020
GI	none	Score	250
Exons	7709..8020, 7709..8011		

Seq. No.	15829	Seq. ID	OJ990517_21.9B19.C10
Gene No.	33513	Strand	
Start	8207	End	8683
Name	OJ990517_21.9B19.C10.o3.tm	Method	TBLASTX:Maize
Start	8207	End	8683
GI	none	Score	103
Exons	8207..8323, 8351..8623, 8353..8481, 8582..8683		

Seq. No.	15829	Seq. ID	OJ990517_21.9B19.C10
Gene No.	33514	Strand	
Start	8684	End	9646
Name	OJ990517_21.9B19.C10.o1.tm	Method	TBLASTX:Maize
Start	8684	End	9361
GI	none	Score	195
Exons	8684..8893, 8686..8889, 8905..9333, 8906..9352, 8990..9361		

Seq. No.	15829	Seq. ID	OJ990517_21.9B19.C10
Gene No.	33514	Strand	
Start	8684	End	9646
Name	OJ990517_21.9B19.C10.o1.tw	Method	TBLASTX:Wheat
Start	9002	End	9442
GI	none	Score	170
Exons	9002..9304, 9004..9294, 9314..9442		

Seq. No.	15829	Seq. ID	OJ990517_21.9B19.C10
Gene No.	33514	Strand	
Start	8684	End	9646
Name	OJ990517_21.9B19.C10.o1.ts	Method	TBLASTX:Soybean
Start	9083	End	9520
GI	none	Score	143

Exons	9083..9331, 9407..9520		
Seq. No.	15829	Seq. ID	OJ990517_21.9B19.C10
Gene No.	33514	Strand	
Start	8684	End	9646
Name	OJ990517_21.9B19.C10.o5.tm	Method	TBLASTX:Maize
Start	9362	End	9646
GI	none	Score	220
Exons	9362..9646, 9373..9636		
Seq. No.	15829	Seq. ID	OJ990517_21.9B19.C10
Gene No.	33515	Strand	
Start	9821	End	10303
Name	OJ990517_21.9B19.C10.o2.tm	Method	TBLASTX:Maize
Start	9821	End	10303
GI	none	Score	87
Exons	9821..9925, 9929..10165, 9937..10041, 10172..10303		
Seq. No.	15829	Seq. ID	OJ990517_21.9B19.C10
Gene No.	33515	Strand	
Start	9821	End	10303
Name	OJ990517_21.9B19.C10.o2.tw	Method	TBLASTX:Wheat
Start	9938	End	10120
GI	none	Score	188
Exons	9938..10120, 9943..10029		
Seq. No.	15830	Seq. ID	OJ990517_21.9B19.C11
Gene No.	33516	Strand	-
Start	1777	End	2673
Name	OJ990517_21.9B19.C11.o1.gs	Method	GENSCAN
Start	1777	End	2673
GI	none	Score	.99
Exons	1777..2673		
Seq. No.	15830	Seq. ID	OJ990517_21.9B19.C11
Gene No.	33517	Strand	-
Start	3427	End	7505
Name	OJ990517_21.9B19.C11.o2.gs	Method	GENSCAN
Start	3427	End	7505
GI	none	Score	.74
Exons	3427..3492, 4032..4070, 4509..4680, 4847..5017, 5100..6475, 6554..7287, 7376..7505		
Seq. No.	15830	Seq. ID	OJ990517_21.9B19.C11
Gene No.	33517	Strand	-
Start	3427	End	7505
Name	OJ990517_21.9B19.C11.o1.gp	Method	AAT/GAP
Start	4171	End	4691
GI	LIB3431-001-P1-N1-B5	Score	766
Exons	4171..4403, 4509..4691		
GI Descrip.	'4680203/gb\|AAD27566.1\|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]'		
Seq. No.	15830	Seq. ID	OJ990517_21.9B19.C11
Gene No.	33518	Strand	-
Start	8360	End	10351
Name	OJ990517_21.9B19.C11.o1.tm	Method	TBLASTX:Maize

Start	2746	End	3171
GI	none	Score	67
Exons	2746..3093, 2987..3088, 3151..3171		

Seq. No.	15830	Seq. ID	OJ990517_21.9B19.C11
Gene No.	33518	Strand	-
Start	8360	End	10351
Name	OJ990517_21.9B19.C11.o1.tw	Method	TBLASTX:Wheat
Start	2839	End	3100
GI	none	Score	104
Exons	2839..3099, 2842..3039, 2861..3100		

Seq. No.	15830	Seq. ID	OJ990517_21.9B19.C11
Gene No.	33518	Strand	-
Start	8360	End	10351
Name	OJ990517_21.9B19.C11.o3.np	Method	AAT/NAP
Start	8360	End	10351
GI	5917666	Score	177
Exons	8360..8426, 9905..10351		
GI Descrip.	(AF159297) extensin-like protein [Zea mays]		

Seq. No.	15830	Seq. ID	OJ990517_21.9B19.C11
Gene No.	33518	Strand	-
Start	8360	End	10351
Name	OJ990517_21.9B19.C11.o3.gs	Method	GENSCAN
Start	9764	End	10179
GI	none	Score	.76
Exons	9764..9784, 9928..10044, 10115..10179		

Seq. No.	15831	Seq. ID	OJ990517_21.9B19.C12
Gene No.	33519	Strand	-
Start	506	End	1866
Name	OJ990517_21.9B19.C12.o1.gp	Method	AAT/GAP
Start	368	End	1828
GI	5002953	Score	1284
Exons	368..549, 1029..1438, 1697..1828		
GI Descrip.	4680203/gb\|AAD27566.1\|AF114171_7 1.0e-39 (AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	15831	Seq. ID	OJ990517_21.9B19.C12
Gene No.	33519	Strand	-
Start	506	End	1866
Name	OJ990517_21.9B19.C12.o1.np	Method	AAT/NAP
Start	482	End	1866
GI	4680203	Score	694
Exons	482..1423, 1700..1866		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	15831	Seq. ID	OJ990517_21.9B19.C12
Gene No.	33519	Strand	-
Start	506	End	1866
Name	OJ990517_21.9B19.C12.o1.gs	Method	GENSCAN
Start	506	End	1771
GI	none	Score	.67
Exons	506..1771		

Seq. No.	15831	Seq. ID	OJ990517_21.9B19.C12

Gene No.	33519	Strand	-
Start	506	End	1866
Name	OJ990517_21.9B19.C12.o1.tw	Method	TBLASTX:Wheat
Start	593	End	1813
GI	none	Score	67
Exons	593..685, 686..790, 714..791, 815..856, 815..853, 860..907, 896..1087, 912..1052, 1091..1252, 1095..1235, 1271..1813, 1323..1769		

Seq. No.	15831	Seq. ID	OJ990517_21.9B19.C12
Gene No.	33519	Strand	-
Start	506	End	1866
Name	OJ990517_21.9B19.C12.o1.tc	Method	TBLASTX:Cress
Start	1100	End	1526
GI	none	Score	68
Exons	1100..1252, 1113..1235, 1271..1522, 1323..1526		

Seq. No.	15831	Seq. ID	OJ990517_21.9B19.C12
Gene No.	33519	Strand	-
Start	506	End	1866
Name	OJ990517_21.9B19.C12.o1.tm	Method	TBLASTX:Maize
Start	1457	End	1772
GI	none	Score	144
Exons	1457..1771, 1497..1772		

Seq. No.	15832	Seq. ID	OJ990517_21.9B19.C13
Gene No.	33520	Strand	+
Start	7371	End	11853
Name	OJ990517_21.9B19.C13.o2.gp	Method	AAT/GAP
Start	7371	End	11853
GI	3761181	Score	399
Exons	7371..7465, 11701..11853		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	15832	Seq. ID	OJ990517_21.9B19.C13
Gene No.	33520	Strand	+
Start	7371	End	11853
Name	OJ990517_21.9B19.C13.o2.np	Method	AAT/NAP
Start	8205	End	10138
GI	6907087	Score	1393
Exons	8205..8588, 8797..9485, 10037..10138		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	15832	Seq. ID	OJ990517_21.9B19.C13
Gene No.	33521	Strand	+
Start	14639	End	14786
Name	OJ990517_21.9B19.C13.o3.gp	Method	AAT/GAP
Start	14639	End	14786
GI	uC-osflcyp177g01a1	Score	241
Exons	14639..14786		
GI Descrip.	'4884864/gb\|AAD31846.1\|AF133530_1 4.0e-12 (AF133530) water channel protein MipH [Mesembryanthemum crystallinum]'		

Seq. No.	15832	Seq. ID	OJ990517_21.9B19.C13

Gene No.	33522	Strand	+
Start	15771	End	22289
Name	OJ990517_21.9B19.C13.o4.gs	Method	GENSCAN
Start	15771	End	22289
GI	none	Score	.6
Exons	15771..15826, 15948..15972, 16059..16982, 17201..17741, 17889..18089, 18228..18341, 18414..18518, 18591..18632, 19188..19725, 19889..20026, 20879..21011, 21939..22289		

Seq. No.	15832	Seq. ID	OJ990517_21.9B19.C13
Gene No.	33522	Strand	+
Start	15771	End	22289
Name	OJ990517_21.9B19.C13.o6.np	Method	AAT/NAP
Start	16098	End	22286
GI	6691716	Score	2298
Exons	16098..16968, 17166..17355, 17437..17704, 17882..18076, 18152..18255, 18406..18518, 18591..18728, 21979..22286		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	15832	Seq. ID	OJ990517_21.9B19.C13
Gene No.	33523	Strand	-
Start	160	End	8734
Name	OJ990517_21.9B19.C13.o1.gs	Method	GENSCAN
Start	160	End	8046
GI	none	Score	.43
Exons	160..181, 386..428, 974..1156, 1495..1572, 3732..3801, 4084..4172, 4177..4339, 4386..4641, 4953..5333, 5971..6738, 6850..7196, 7280..7340, 7961..8046		

Seq. No.	15832	Seq. ID	OJ990517_21.9B19.C13
Gene No.	33523	Strand	-
Start	160	End	8734
Name	OJ990517_21.9B19.C13.o1.gp	Method	AAT/GAP
Start	1603	End	1849
GI	3761181	Score	420
Exons	1603..1849		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	15832	Seq. ID	OJ990517_21.9B19.C13
Gene No.	33523	Strand	-
Start	160	End	8734
Name	OJ990517_21.9B19.C13.o1.np	Method	AAT/NAP
Start	3333	End	8734
GI	5091513	Score	1789
Exons	3333..3421, 4149..4352, 4556..5278, 6023..6683, 8664..8734		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	15832	Seq. ID	OJ990517_21.9B19.C13
Gene No.	33524	Strand	-
Start	10031	End	15176
Name	OJ990517_21.9B19.C13.o3.gs	Method	GENSCAN
Start	10031	End	14526
GI	none	Score	.42
Exons	10031..10137, 11954..12078, 12974..13034, 13119..13371,		

13482..13596, 14257..14458, 14478..14526

Seq. No.	15832	Seq. ID	OJ990517_21.9B19.C13
Gene No.	33524	Strand	-
Start	10031	End	15176
Name	OJ990517_21.9B19.C13.o3.np	Method	AAT/NAP
Start	10533	End	12486
GI	4680186	Score	222
Exons	10533..10737, 12451..12486		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	15832	Seq. ID	OJ990517_21.9B19.C13
Gene No.	33524	Strand	-
Start	10031	End	15176
Name	OJ990517_21.9B19.C13.o5.np	Method	AAT/NAP
Start	12044	End	15176
GI	6862925	Score	93
Exons	12044..12078, 14257..14509, 15052..15176		
GI Descrip.	(AC018907) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	15832	Seq. ID	OJ990517_21.9B19.C13
Gene No.	33524	Strand	-
Start	10031	End	15176
Name	OJ990517_21.9B19.C13.o4.np	Method	AAT/NAP
Start	12960	End	14246
GI	6006381	Score	225
Exons	12960..13034, 13152..13285, 13654..13838, 14200..14246		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	15832	Seq. ID	OJ990517_21.9B19.C13
Gene No.	33525	Strand	-
Start	22606	End	26508
Name	OJ990517_21.9B19.C13.o8.tw	Method	TBLASTX:Wheat
Start	16218	End	16508
GI	none	Score	220
Exons	16218..16508		

Seq. No.	15832	Seq. ID	OJ990517_21.9B19.C13
Gene No.	33525	Strand	-
Start	22606	End	26508
Name	OJ990517_21.9B19.C13.o5.gs	Method	GENSCAN
Start	22606	End	26300
GI	none	Score	.8
Exons	22606..25323, 25391..25664, 25761..26300		

Seq. No.	15832	Seq. ID	OJ990517_21.9B19.C13
Gene No.	33525	Strand	-
Start	22606	End	26508
Name	OJ990517_21.9B19.C13.o7.np	Method	AAT/NAP
Start	22609	End	25681
GI	5902445	Score	5266
Exons	22609..25681		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	15832	Seq. ID	OJ990517_21.9B19.C13
Gene No.	33525	Strand	-
Start	22606	End	26508

Name	OJ990517_21.9B19.C13.o5.tw	Method	TBLASTX:Wheat
Start	22618	End	23232
GI	none	Score	80
Exons	22618..22755, 22741..22899, 22954..23232, 22970..23071, 23123..23212		

Seq. No.	15832	Seq. ID	OJ990517_21.9B19.C13
Gene No.	33525	Strand	-
Start	22606	End	26508
Name	OJ990517_21.9B19.C13.o4.tm	Method	TBLASTX:Maize
Start	22657	End	22890
GI	none	Score	101
Exons	22657..22758, 22658..22759, 22738..22890, 22739..22798		

Seq. No.	15832	Seq. ID	OJ990517_21.9B19.C13
Gene No.	33525	Strand	-
Start	22606	End	26508
Name	OJ990517_21.9B19.C13.o6.tm	Method	TBLASTX:Maize
Start	23002	End	23275
GI	none	Score	57
Exons	23002..23088, 23098..23181, 23111..23185, 23168..23275, 23176..23274		

Seq. No.	15832	Seq. ID	OJ990517_21.9B19.C13
Gene No.	33525	Strand	-
Start	22606	End	26508
Name	OJ990517_21.9B19.C13.o2.tw	Method	TBLASTX:Wheat
Start	23347	End	23734
GI	none	Score	109
Exons	23347..23538, 23347..23733, 23423..23734		

Seq. No.	15832	Seq. ID	OJ990517_21.9B19.C13
Gene No.	33525	Strand	-
Start	22606	End	26508
Name	OJ990517_21.9B19.C13.o1.tm	Method	TBLASTX:Maize
Start	23377	End	23740
GI	none	Score	67
Exons	23377..23424, 23378..23425, 23396..23719, 23416..23739, 23429..23740		

Seq. No.	15832	Seq. ID	OJ990517_21.9B19.C13
Gene No.	33525	Strand	-
Start	22606	End	26508
Name	OJ990517_21.9B19.C13.o9.tw	Method	TBLASTX:Wheat
Start	23737	End	24036
GI	none	Score	130
Exons	23737..23835, 23902..24036		

Seq. No.	15832	Seq. ID	OJ990517_21.9B19.C13
Gene No.	33525	Strand	-
Start	22606	End	26508
Name	OJ990517_21.9B19.C13.o5.tm	Method	TBLASTX:Maize
Start	23968	End	24222
GI	none	Score	193
Exons	23968..24222		

Seq. No.	15832	Seq. ID	OJ990517_21.9B19.C13

Gene No.	33525	Strand	-
Start	22606	End	26508
Name	OJ990517_21.9B19.C13.o4.tw	Method	TBLASTX:Wheat
Start	24052	End	24474
GI	none	Score	266
Exons	24052..24474, 24062..24469, 24121..24471		

Seq. No.	15832	Seq. ID	OJ990517_21.9B19.C13
Gene No.	33525	Strand	-
Start	22606	End	26508
Name	OJ990517_21.9B19.C13.o2.ts	Method	TBLASTX:Soybean
Start	24095	End	24483
GI	none	Score	157
Exons	24095..24475, 24097..24339, 24379..24483		

Seq. No.	15832	Seq. ID	OJ990517_21.9B19.C13
Gene No.	33525	Strand	-
Start	22606	End	26508
Name	OJ990517_21.9B19.C13.o3.tw	Method	TBLASTX:Wheat
Start	24511	End	24940
GI	none	Score	154
Exons	24511..24939, 24512..24940		

Seq. No.	15832	Seq. ID	OJ990517_21.9B19.C13
Gene No.	33525	Strand	-
Start	22606	End	26508
Name	OJ990517_21.9B19.C13.o3.tm	Method	TBLASTX:Maize
Start	24598	End	25017
GI	none	Score	89
Exons	24598..24624, 24622..24765, 24635..24766, 24787..24969, 24788..24958, 24973..25017		

Seq. No.	15832	Seq. ID	OJ990517_21.9B19.C13
Gene No.	33525	Strand	-
Start	22606	End	26508
Name	OJ990517_21.9B19.C13.o1.ts	Method	TBLASTX:Soybean
Start	24709	End	25086
GI	none	Score	47
Exons	24709..24969, 24743..24913, 24973..25086, 24974..25069		

Seq. No.	15832	Seq. ID	OJ990517_21.9B19.C13
Gene No.	33525	Strand	-
Start	22606	End	26508
Name	OJ990517_21.9B19.C13.o6.tw	Method	TBLASTX:Wheat
Start	24973	End	25279
GI	none	Score	168
Exons	24973..25278, 24974..25279		

Seq. No,	15832	Seq. ID	OJ990517_21.9B19.C13
Gene No.	33525	Strand	-
Start	22606	End	26508
Name	OJ990517_21.9B19.C13.o2.tm	Method	TBLASTX:Maize
Start	25249	End	25606
GI	none	Score	71
Exons	25249..25350, 25259..25354, 25350..25565, 25364..25606		

Seq. No.	15832	Seq. ID	OJ990517_21.9B19.C13

Gene No.	33525	Strand	-
Start	22606	End	26508
Name	OJ990517_21.9B19.C13.o1.tw	Method	TBLASTX:Wheat
Start	25279	End	25736
GI	none	Score	170
Exons	25279..25353, 25348..25701, 25349..25708, 25364..25735, 25365..25736		

Seq. No.	15832	Seq. ID	OJ990517_21.9B19.C13
Gene No.	33525	Strand	-
Start	22606	End	26508
Name	OJ990517_21.9B19.C13.o8.np	Method	AAT/NAP
Start	25748	End	26508
GI	5902444	Score	951
Exons	25748..26508		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	15832	Seq. ID	OJ990517_21.9B19.C13
Gene No.	33525	Strand	-
Start	22606	End	26508
Name	OJ990517_21.9B19.C13.o7.tw	Method	TBLASTX:Wheat
Start	25979	End	26318
GI	none	Score	178
Exons	25979..26317, 25998..26318		

Seq. No.	15833	Seq. ID	OJ990517_21.9B19.C14
Gene No.	33526	Strand	+
Start	723	End	4733
Name	OJ990517_21.9B19.C14.o1.gs	Method	GENSCAN
Start	723	End	4733
GI	none	Score	.53
Exons	723..876, 918..933, 1103..2506, 2673..2946, 3843..4013, 4504..4733		

Seq. No.	15833	Seq. ID	OJ990517_21.9B19.C14
Gene No.	33526	Strand	+
Start	723	End	4733
Name	OJ990517_21.9B19.C14.o1.np	Method	AAT/NAP
Start	1355	End	4528
GI	161752	Score	130
Exons	1355..1466, 1614..1750, 1784..1859, 2005..2083, 2351..2468, 4504..4528		
GI Descrip.	(L03710) cnjB [Tetrahymena thermophila] gi\|737494\|prf\|\|1922371A cnjB gene [Tetrahymena thermophila]		

Seq. No.	15834	Seq. ID	OJ990517_21.9B19.C15
Gene No.	33527	Strand	-
Start	53	End	144
Name	OJ990517_21.9B19.C15.o1.gs	Method	GENSCAN
Start	53	End	144
GI	none	Score	.7
Exons	53..144		

Seq. No.	15835	Seq. ID	OJ990517_21.9B19.C16
Gene No.	33528	Strand	+
Start	1	End	931
Name	OJ990517_21.9B19.C16.o1.np	Method	AAT/NAP

Start	1	End	931
GI	5091610	Score	393
Exons	1..138, 331..521, 564..931		
GI Descrip.	(AC007858) 10A19I.15 [Oryza sativa]		

Seq. No.	15835	Seq. ID	OJ990517_21.9B19.C16
Gene No.	33528	Strand	+
Start	1	End	931
Name	OJ990517_21.9B19.C16.o1.tm	Method	TBLASTX:Maize
Start	4	End	211
GI	none	Score	235
Exons	4..189, 4..210, 77..211		

Seq. No.	15835	Seq. ID	OJ990517_21.9B19.C16
Gene No.	33528	Strand	+
Start	1	End	931
Name	OJ990517_21.9B19.C16.o1.gs	Method	GENSCAN
Start	50	End	928
GI	none	Score	.7
Exons	50..189, 368..928		

Seq. No.	15836	Seq. ID	OJ990517_21.9B19.C17
Gene No.	33529	Strand	+
Start	1053	End	2115
Name	OJ990517_21.9B19.C17.o1.gs	Method	GENSCAN
Start	1053	End	2115
GI	none	Score	.87
Exons	1053..1114, 1359..1480, 1495..1677, 1970..2115		

Seq. No.	15836	Seq. ID	OJ990517_21.9B19.C17
Gene No.	33530	Strand	-
Start	1	End	2657
Name	OJ990517_21.9B19.C17.o1.np	Method	AAT/NAP
Start	1	End	2657
GI	2244784	Score	85
Exons	1..17, 1273..1542, 2544..2657		
GI Descrip.	(Z97335) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	15836	Seq. ID	OJ990517_21.9B19.C17
Gene No.	33531	Strand	-
Start	2595	End	4096
Name	OJ990517_21.9B19.C17.o2.gs	Method	GENSCAN
Start	2595	End	4096
GI	none	Score	.55
Exons	2595..2723, 4085..4096		

Seq. No.	15837	Seq. ID	OJ990517_21.9B19.C18
Gene No.	33532	Strand	+
Start	558	End	1704
Name	OJ990517_21.9B19.C18.o1.gs	Method	GENSCAN
Start	558	End	1704
GI	none	Score	.55
Exons	558..563, 1585..1704		

Seq. No.	15837	Seq. ID	OJ990517_21.9B19.C18
Gene No.	33533	Strand	+
Start	3106	End	5014

Name	OJ990517_21.9B19.C18.o1.np	Method	AAT/NAP
Start	3106	End	5014
GI	4680203	Score	1289
Exons	3106..4680, 4723..4815, 4969..5014		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	15837	Seq. ID	OJ990517_21.9B19.C18
Gene No.	33533	Strand	+
Start	3106	End	5014
Name	OJ990517_21.9B19.C18.o3.gs	Method	GENSCAN
Start	3106	End	4767
GI	none	Score	.78
Exons	3106..4767		

Seq. No.	15837	Seq. ID	OJ990517_21.9B19.C18
Gene No.	33534	Strand	-
Start	2498	End	2804
Name	OJ990517_21.9B19.C18.o2.gs	Method	GENSCAN
Start	2498	End	2804
GI	none	Score	.94
Exons	2498..2546, 2740..2804		

Seq. No.	15837	Seq. ID	OJ990517_21.9B19.C18
Gene No.	33535	Strand	
Start	3460	End	4593
Name	OJ990517_21.9B19.C18.o2.tw	Method	TBLASTX:Wheat
Start	3460	End	4011
GI	none	Score	216
Exons	3460..3858, 3699..3860, 3906..4001, 3907..4011		

Seq. No.	15837	Seq. ID	OJ990517_21.9B19.C18
Gene No.	33535	Strand	
Start	3460	End	4593
Name	OJ990517_21.9B19.C18.o1.ts	Method	TBLASTX:Soybean
Start	3739	End	4158
GI	none	Score	123
Exons	3739..3858, 3741..3860, 3909..4154, 3910..4158		

Seq. No.	15837	Seq. ID	OJ990517_21.9B19.C18
Gene No.	33535	Strand	
Start	3460	End	4593
Name	OJ990517_21.9B19.C18.o1.tc	Method	TBLASTX:Cress
Start	3906	End	4236
GI	none	Score	312
Exons	3906..4043, 3907..4236, 4080..4139, 4090..4194, 4161..4235		

Seq. No.	15837	Seq. ID	OJ990517_21.9B19.C18
Gene No.	33535	Strand	
Start	3460	End	4593
Name	OJ990517_21.9B19.C18.o1.tw	Method	TBLASTX:Wheat
Start	4024	End	4490
GI	none	Score	54
Exons	4024..4077, 4032..4067, 4078..4182, 4089..4175, 4174..4284, 4183..4299, 4187..4285, 4191..4361, 4302..4490, 4330..4485		

Seq. No.	15837	Seq. ID	OJ990517_21.9B19.C18
Gene No.	33535	Strand	

Start	3460	End	4593
Name	OJ990517_21.9B19.C18.o1.tm	Method	TBLASTX:Maize
Start	4081	End	4524
GI	none	Score	229
Exons	4081..4326, 4131..4322, 4330..4524		

Seq. No.	15837	Seq. ID	OJ990517_21.9B19.C18
Gene No.	33535	Strand	
Start	3460	End	4593
Name	OJ990517_21.9B19.C18.o2.ts	Method	TBLASTX:Soybean
Start	4359	End	4593
GI	none	Score	241
Exons	4359..4514, 4360..4593		

Seq. No.	15837	Seq. ID	OJ990517_21.9B19.C18
Gene No.	33536	Strand	
Start	4761	End	4962
Name	OJ990517_21.9B19.C18.o3.tw	Method	TBLASTX:Wheat
Start	4761	End	4962
GI	none	Score	190
Exons	4761..4928, 4762..4962		

Seq. No.	15838	Seq. ID	OJ990517_21.9B19.C19
Gene No.	33537	Strand	-
Start	1	End	95
Name	OJ990517_21.9B19.C19.o1.np	Method	AAT/NAP
Start	1	End	95
GI	4512229	Score	111
Exons	1..95		
GI Descrip.	(AB014740) ORF0 protein [Oryza sativa]		

Seq. No.	15839	Seq. ID	OJ990527_22.9B17.C1
Gene No.	33538	Strand	+
Start	1	End	705
Name	OJ990527_22.9B17.C1.o1.np	Method	AAT/NAP
Start	1	End	705
GI	4416302	Score	585
Exons	1..705		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	15839	Seq. ID	OJ990527_22.9B17.C1
Gene No.	33538	Strand	+
Start	1	End	705
Name	OJ990527_22.9B17.C1.o1.tm	Method	TBLASTX:Maize
Start	129	End	684
GI	none	Score	209
Exons	129..653, 130..327, 403..684		

Seq. No.	15840	Seq. ID	OJ990527_22.9B17.C2
Gene No.	33539	Strand	+
Start	1	End	2154
Name	OJ990527_22.9B17.C2.o3.np	Method	AAT/NAP
Start	1	End	2017
GI	4680183	Score	186
Exons	1..113, 1210..1322, 1928..2017		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	15840	Seq. ID	OJ990527_22.9B17.C2
Gene No.	33539	Strand	+
Start	1	End	2154
Name	OJ990527_22.9B17.C2.o1.np	Method	AAT/NAP
Start	531	End	2154
GI	6539588	Score	204
Exons	531..840, 1848..1970, 2118..2154		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	15840	Seq. ID	OJ990527_22.9B17.C2
Gene No.	33539	Strand	+
Start	1	End	2154
Name	OJ990527_22.9B17.C2.o1.gs	Method	GENSCAN
Start	562	End	1385
GI	none	Score	.65
Exons	562..633, 908..1009, 1252..1385		

Seq. No.	15840	Seq. ID	OJ990527_22.9B17.C2
Gene No.	33540	Strand	-
Start	847	End	2596
Name	OJ990527_22.9B17.C2.o2.np	Method	AAT/NAP
Start	847	End	2596
GI	6729552	Score	95
Exons	847..1074, 2535..2596		
GI Descrip.	(AL132977) putative protein [Arabidopsis thaliana]		

Seq. No.	15841	Seq. ID	OJ990527_22.9B17.C3
Gene No.	33541	Strand	+
Start	8467	End	9573
Name	OJ990527_22.9B17.C3.o3.np	Method	AAT/NAP
Start	8225	End	9573
GI	6907086	Score	1160
Exons	8225..8991, 9049..9219, 9444..9573		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	15841	Seq. ID	OJ990527_22.9B17.C3
Gene No.	33541	Strand	+
Start	8467	End	9573
Name	OJ990527_22.9B17.C3.o2.gs	Method	GENSCAN
Start	8467	End	8974
GI	none	Score	.51
Exons	8467..8568, 8642..8974		

Seq. No.	15841	Seq. ID	OJ990527_22.9B17.C3
Gene No.	33542	Strand	-
Start	303	End	6301
Name	OJ990527_22.9B17.C3.o7.tm	Method	TBLASTX:Maize
Start	298	End	527
GI	none	Score	40
Exons	298..354, 330..527, 436..510		

Seq. No.	15841	Seq. ID	OJ990527_22.9B17.C3
Gene No.	33542	Strand	-
Start	303	End	6301
Name	OJ990527_22.9B17.C3.o1.gs	Method	GENSCAN
Start	303	End	6301
GI	none	Score	.54

Exons	303..1794, 1837..3433, 3671..3854, 3905..4864, 5294..5329, 5409..6080, 6290..6301		
Seq. No.	15841	Seq. ID	OJ990527_22.9B17.C3
Gene No.	33542	Strand	-
Start	303	End	6301
Name	OJ990527_22.9B17.C3.o1.np	Method	AAT/NAP
Start	306	End	4864
GI	4680179	Score	7678
Exons	306..4864		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	15841	Seq. ID	OJ990527_22.9B17.C3
Gene No.	33542	Strand	-
Start	303	End	6301
Name	OJ990527_22.9B17.C3.o6.tw	Method	TBLASTX:Wheat
Start	351	End	684
GI	none	Score	72
Exons	351..683, 372..533, 415..591, 576..656, 613..684		
Seq. No.	15841	Seq. ID	OJ990527_22.9B17.C3
Gene No.	33542	Strand	-
Start	303	End	6301
Name	OJ990527_22.9B17.C3.o1.tm	Method	TBLASTX:Maize
Start	531	End	1130
GI	none	Score	249
Exons	531..971, 544..969, 969..1130, 976..1122		
Seq. No.	15841	Seq. ID	OJ990527_22.9B17.C3
Gene No.	33542	Strand	-
Start	303	End	6301
Name	OJ990527_22.9B17.C3.o1.tw	Method	TBLASTX:Wheat
Start	684	End	1310
GI	none	Score	365
Exons	684..1310, 685..1308		
Seq. No.	15841	Seq. ID	OJ990527_22.9B17.C3
Gene No.	33542	Strand	-
Start	303	End	6301
Name	OJ990527_22.9B17.C3.o3.tm	Method	TBLASTX:Maize
Start	1179	End	1470
GI	none	Score	225
Exons	1179..1469, 1183..1470		
Seq. No.	15841	Seq. ID	OJ990527_22.9B17.C3
Gene No.	33542	Strand	-
Start	303	End	6301
Name	OJ990527_22.9B17.C3.o2.ts	Method	TBLASTX:Soybean
Start	1269	End	1529
GI	none	Score	154
Exons	1269..1529, 1270..1524		
Seq. No.	15841	Seq. ID	OJ990527_22.9B17.C3
Gene No.	33542	Strand	-
Start	303	End	6301
Name	OJ990527_22.9B17.C3.o1.tc	Method	TBLASTX:Cress
Start	1293	End	1610

GI	none	Score	88
Exons	1293..1436, 1294..1434, 1437..1610		

Seq. No.	15841	Seq. ID	OJ990527_22.9B17.C3
Gene No.	33542	Strand	-
Start	303	End	6301
Name	OJ990527_22.9B17.C3.o3.tw	Method	TBLASTX:Wheat
Start	1317	End	1793
GI	none	Score	245
Exons	1317..1793, 1318..1572, 1350..1763		

Seq. No.	15841	Seq. ID	OJ990527_22.9B17.C3
Gene No.	33542	Strand	-
Start	303	End	6301
Name	OJ990527_22.9B17.C3.o2.tw	Method	TBLASTX:Wheat
Start	1794	End	2309
GI	none	Score	256
Exons	1794..2309, 1884..2231, 1966..2277		

Seq. No.	15841	Seq. ID	OJ990527_22.9B17.C3
Gene No.	33542	Strand	-
Start	303	End	6301
Name	OJ990527_22.9B17.C3.o2.tm	Method	TBLASTX:Maize
Start	1872	End	2237
GI	none	Score	165
Exons	1872..2183, 1879..2076, 1884..2237, 1969..2235		

Seq. No.	15841	Seq. ID	OJ990527_22.9B17.C3
Gene No.	33542	Strand	-
Start	303	End	6301
Name	OJ990527_22.9B17.C3.o3.ts	Method	TBLASTX:Soybean
Start	2058	End	2303
GI	none	Score	202
Exons	2058..2303		

Seq. No.	15841	Seq. ID	OJ990527_22.9B17.C3
Gene No.	33542	Strand	-
Start	303	End	6301
Name	OJ990527_22.9B17.C3.o4.tm	Method	TBLASTX:Maize
Start	2274	End	2774
GI	none	Score	64
Exons	2274..2609, 2280..2519, 2392..2523, 2595..2774		

Seq. No.	15841	Seq. ID	OJ990527_22.9B17.C3
Gene No.	33542	Strand	-
Start	303	End	6301
Name	OJ990527_22.9B17.C3.o5.tw	Method	TBLASTX:Wheat
Start	2310	End	2612
GI	none	Score	268
Exons	2310..2612, 2311..2592, 2510..2611		

Seq. No.	15841	Seq. ID	OJ990527_22.9B17.C3
Gene No.	33542	Strand	-
Start	303	End	6301
Name	OJ990527_22.9B17.C3.o1.ts	Method	TBLASTX:Soybean
Start	2325	End	2720
GI	none	Score	192

Exons	2325..2684, 2326..2589, 2604..2684, 2688..2720, 2689..2718		
Seq. No.	15841	Seq. ID	OJ990527_22.9B17.C3
Gene No.	33542	Strand	-
Start	303	End	6301
Name	OJ990527_22.9B17.C3.o4.tw	Method	TBLASTX:Wheat
Start	2661	End	3143
GI	none	Score	252
Exons	2661..3143, 2704..3039		
Seq. No.	15841	Seq. ID	OJ990527_22.9B17.C3
Gene No.	33542	Strand	-
Start	303	End	6301
Name	OJ990527_22.9B17.C3.o4.ts	Method	TBLASTX:Soybean
Start	2793	End	3107
GI	none	Score	59
Exons	2793..3107, 2794..2991		
Seq. No.	15841	Seq. ID	OJ990527_22.9B17.C3
Gene No.	33542	Strand	-
Start	303	End	6301
Name	OJ990527_22.9B17.C3.o5.tm	Method	TBLASTX:Maize
Start	2842	End	3131
GI	none	Score	165
Exons	2842..3033, 2844..3131		
Seq. No.	15841	Seq. ID	OJ990527_22.9B17.C3
Gene No.	33542	Strand	-
Start	303	End	6301
Name	OJ990527_22.9B17.C3.o8.tw	Method	TBLASTX:Wheat
Start	3306	End	3722
GI	none	Score	99
Exons	3306..3491, 3307..3462, 3513..3722, 3574..3687		
Seq. No.	15841	Seq. ID	OJ990527_22.9B17.C3
Gene No.	33542	Strand	-
Start	303	End	6301
Name	OJ990527_22.9B17.C3.o8.tm	Method	TBLASTX:Maize
Start	3405	End	3725
GI	none	Score	72
Exons	3405..3725, 3580..3681		
Seq. No.	15841	Seq. ID	OJ990527_22.9B17.C3
Gene No.	33542	Strand	-
Start	303	End	6301
Name	OJ990527_22.9B17.C3.o6.tm	Method	TBLASTX:Maize
Start	4061	End	4357
GI	none	Score	105
Exons	4061..4357, 4073..4357, 4170..4340		
Seq. No.	15841	Seq. ID	OJ990527_22.9B17.C3
Gene No.	33542	Strand	-
Start	303	End	6301
Name	OJ990527_22.9B17.C3.o7.tw	Method	TBLASTX:Wheat
Start	4241	End	4601
GI	none	Score	97
Exons	4241..4597, 4245..4472, 4497..4601		

Seq. No.	15841	Seq. ID	OJ990527_22.9B17.C3
Gene No.	33542	Strand	-
Start	303	End	6301
Name	OJ990527_22.9B17.C3.o2.np	Method	AAT/NAP
Start	5118	End	6014
GI	5042448	Score	1333
Exons	5118..5413, 5453..6014		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	15842	Seq. ID	OJ990527_22.9B17.C4
Gene No.	33543	Strand	+
Start	1	End	1161
Name	OJ990527_22.9B17.C4.o2.np	Method	AAT/NAP
Start	1	End	1161
GI	4680183	Score	123
Exons	1..65, 1072..1161		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	15842	Seq. ID	OJ990527_22.9B17.C4
Gene No.	33543	Strand	+
Start	1	End	1161
Name	OJ990527_22.9B17.C4.o1.gs	Method	GENSCAN
Start	55	End	337
GI	none	Score	.89
Exons	55..93, 260..337		

Seq. No.	15842	Seq. ID	OJ990527_22.9B17.C4
Gene No.	33544	Strand	-
Start	1	End	1039
Name	OJ990527_22.9B17.C4.o1.np	Method	AAT/NAP
Start	1	End	1039
GI	6721561	Score	132
Exons	1..168, 934..1039		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	15843	Seq. ID	OJ990527_22.9B17.C5
Gene No.	33545	Strand	+
Start	12171	End	22633
Name	OJ990527_22.9B17.C5.o5.gs	Method	GENSCAN
Start	12171	End	18598
GI	none	Score	.8
Exons	12171..12182, 12513..12581, 13679..14038, 14213..14444, 14766..15110, 15237..16196, 16368..16668, 16765..16939, 17039..18598		

Seq. No.	15843	Seq. ID	OJ990527_22.9B17.C5
Gene No.	33545	Strand	+
Start	12171	End	22633
Name	OJ990527_22.9B17.C5.o2.np	Method	AAT/NAP
Start	13727	End	22633
GI	5922631	Score	6589

Exons	13727..13851, 14110..14354, 14613..14820, 14866..15430, 15473..15623, 15750..16676, 17283..19766, 22586..22633
GI Descrip.	(AP000492) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativa] gi\|6016864\|dbj\|BAA85207.1\| (AP000570) ESTs C26347(C12145),AU078074(C12145) correspond to a region of the predicted gene.; Similar to prpol; Zea mays retrotransposon Cinful-1. (AF049110) [Oryza sativ

Seq. No.	15843	Seq. ID	OJ990527_22.9B17.C5
Gene No.	33545	Strand	+
Start	12171	End	22633
Name	OJ990527_22.9B17.C5.o4.gp	Method	AAT/GAP
Start	21348	End	21775
GI	2428185	Score	809
Exons	21348..21775		
GI Descrip.	5852170/emb\|AL117265.1\|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	15843	Seq. ID	OJ990527_22.9B17.C5
Gene No.	33546	Strand	+
Start	27364	End	27900
Name	OJ990527_22.9B17.C5.o8.gs	Method	GENSCAN
Start	27364	End	27900
GI	none	Score	.51
Exons	27364..27900		

Seq. No.	15843	Seq. ID	OJ990527_22.9B17.C5
Gene No.	33547	Strand	+
Start	30763	End	34014
Name	OJ990527_22.9B17.C5.o9.gs	Method	GENSCAN
Start	30763	End	34014
GI	none	Score	.4
Exons	30763..30887, 31053..31815, 32151..32283, 33659..34014		

Seq. No.	15843	Seq. ID	OJ990527_22.9B17.C5
Gene No.	33548	Strand	+
Start	34801	End	35528
Name	OJ990527_22.9B17.C5.o4.np	Method	AAT/NAP
Start	34801	End	35522
GI	6227011	Score	355
Exons	34801..34945, 35094..35522		
GI Descrip.	(AC009513) F12P19.3 [Arabidopsis thaliana]		

Seq. No.	15843	Seq. ID	OJ990527_22.9B17.C5
Gene No.	33548	Strand	+
Start	34801	End	35528
Name	OJ990527_22.9B17.C5.o6.gp	Method	AAT/GAP
Start	34972	End	35410
GI	LIB3433-051-P1-K1-E4	Score	811
Exons	34972..35410		
GI Descrip.	'115772/sp\|P12330\|CB21_ORYSA 6.0e-24 CHLOROPHYLL A-B BINDING PROTEIN 1 PRECURSOR (LHCII TYPE I CAB-1) (LHCP) >gi_82460_pir__S03705 chlorophyll a/b-binding protein 1R precursor - rice >gi_20178_emb_CAA32108_ (X13908) chlorophyll a/b-binding preprotein (AA -31 to 235) [Oryza sativa]'		

Seq. No.	15843	Seq. ID	OJ990527_22.9B17.C5
Gene No.	33548	Strand	+
Start	34801	End	35528
Name	OJ990527_22.9B17.C5.o10.gs	Method	GENSCAN
Start	34995	End	35528
GI	none	Score	1
Exons	34995..35528		

Seq. No.	15843	Seq. ID	OJ990527_22.9B17.C5
Gene No.	33549	Strand	-
Start	2268	End	2828
Name	OJ990527_22.9B17.C5.o2.gs	Method	GENSCAN
Start	2268	End	2822
GI	none	Score	.61
Exons	2268..2822		

Seq. No.	15843	Seq. ID	OJ990527_22.9B17.C5
Gene No.	33549	Strand	-
Start	2268	End	2828
Name	OJ990527_22.9B17.C5.o1.np	Method	AAT/NAP
Start	2271	End	2828
GI	6227011	Score	379
Exons	2271..2828		
GI Descrip.	(AC009513) F12P19.3 [Arabidopsis thaliana]		

Seq. No.	15843	Seq. ID	OJ990527_22.9B17.C5
Gene No.	33549	Strand	-
Start	2268	End	2828
Name	OJ990527_22.9B17.C5.o1.gp	Method	AAT/GAP
Start	2414	End	2825
GI	15984_1.R1084	Score	798
Exons	2414..2825		
GI Descrip.	'2462834 5.0e-17 (AF000657) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	15843	Seq. ID	OJ990527_22.9B17.C5
Gene No.	33550	Strand	-
Start	5617	End	6071
Name	OJ990527_22.9B17.C5.o2.gp	Method	AAT/GAP
Start	5617	End	6071
GI	5803302	Score	898
Exons	5617..6071		

Seq. No.	15843	Seq. ID	OJ990527_22.9B17.C5
Gene No.	33551	Strand	-
Start	8497	End	9045
Name	OJ990527_22.9B17.C5.o4.gs	Method	GENSCAN
Start	8497	End	9045
GI	none	Score	.69
Exons	8497..9045		

Seq. No.	15843	Seq. ID	OJ990527_22.9B17.C5
Gene No.	33552	Strand	-
Start	22999	End	25934
Name	OJ990527_22.9B17.C5.o7.gs	Method	GENSCAN
Start	22999	End	25934

GI	none	Score	.78
Exons	22999..23450, 23524..23637, 23700..23889, 23964..24074, 24076..24173, 24239..24477, 24674..24894, 25050..25934		

Seq. No.	15843	Seq. ID	OJ990527_22.9B17.C5
Gene No.	33552	Strand	-
Start	22999	End	25934
Name	OJ990527_22.9B17.C5.o3.np	Method	AAT/NAP
Start	23011	End	25934
GI	6691716	Score	2464
Exons	23011..23450, 23524..23637, 23787..23889, 23964..24161, 24239..24418, 24497..24597, 24674..24849, 25041..25934		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6691717\|dbj\|BAA89397.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	15843	Seq. ID	OJ990527_22.9B17.C5
Gene No.	33553	Strand	-
Start	37582	End	37724
Name	OJ990527_22.9B17.C5.o1.ts	Method	TBLASTX:Soybean
Start	525	End	35510
GI	none	Score	154
Exons	525..668, 690..764, 2271..2624, 2278..2631, 2629..2691, 2664..2702, 8500..8859, 8507..8860, 8848..8931, 8858..8920, 27445..27531, 27556..27612, 27616..27702, 27718..27756, 27765..27857, 27766..27870, 35169..35237, 35177..35233, 35237..35317, 35238..35324, 35334..35510, 35342..35506		

Seq. No.	15843	Seq. ID	OJ990527_22.9B17.C5
Gene No.	33553	Strand	-
Start	37582	End	37724
Name	OJ990527_22.9B17.C5.o2.tm	Method	TBLASTX:Maize
Start	525	End	35516
GI	none	Score	126
Exons	525..671, 526..669, 551..673, 2271..2495, 2277..2606, 2374..2604, 2520..2612, 8500..8769, 8506..8832, 8507..8833, 8511..8846, 8794..8847, 27552..27599, 27553..27600, 27616..27726, 27625..27855, 27753..27842, 27850..27888, 35180..35224, 35181..35225, 35237..35323, 35247..35324, 35330..35503, 35334..35516		

Seq. No.	15843	Seq. ID	OJ990527_22.9B17.C5
Gene No.	33553	Strand	-
Start	37582	End	37724
Name	OJ990527_22.9B17.C5.o1.tc	Method	TBLASTX:Cress
Start	2262	End	35516
GI	none	Score	72
Exons	2262..2432, 2271..2459, 2448..2606, 2664..2702, 8500..8676, 8500..8688, 8504..8695, 8677..8871, 27445..27501, 27541..27591, 27616..27702, 27724..27753, 27765..27836, 27766..27849, 27832..27894, 35079..35135, 35166..35216, 35196..35225, 35237..35323, 35238..35324, 35333..35506, 35334..35516		

Seq. No.	15843	Seq. ID	OJ990527_22.9B17.C5
Gene No.	33553	Strand	-
Start	37582	End	37724
Name	OJ990527_22.9B17.C5.o7:tw	Method	TBLASTX:Wheat

Start	15034	End	15436
GI	none	Score	283
Exons	15034..15303, 15035..15436		

Seq. No.	15843	Seq. ID	OJ990527_22.9B17.C5
Gene No.	33553	Strand	-
Start	37582	End	37724
Name	OJ990527_22.9B17.C5.o6.tw	Method	TBLASTX:Wheat
Start	16016	End	16473
GI	none	Score	146
Exons	16016..16192, 16237..16473, 16241..16471		

Seq. No.	15843	Seq. ID	OJ990527_22.9B17.C5
Gene No.	33553	Strand	-
Start	37582	End	37724
Name	OJ990527_22.9B17.C5.o1.tw	Method	TBLASTX:Wheat
Start	16693	End	17149
GI	none	Score	481
Exons	16693..17148, 16694..17149		

Seq. No.	15843	Seq. ID	OJ990527_22.9B17.C5
Gene No.	33553	Strand	-
Start	37582	End	37724
Name	OJ990527_22.9B17.C5.o4.ts	Method	TBLASTX:Soybean
Start	16733	End	17098
GI	none	Score	133
Exons	16733..16957, 16964..17098		

Seq. No.	15843	Seq. ID	OJ990527_22.9B17.C5
Gene No.	33553	Strand	-
Start	37582	End	37724
Name	OJ990527_22.9B17.C5.o3.tm	Method	TBLASTX:Maize
Start	16822	End	17179
GI	none	Score	365
Exons	16822..17169, 16823..17179		

Seq. No.	15843	Seq. ID	OJ990527_22.9B17.C5
Gene No.	33553	Strand	-
Start	37582	End	37724
Name	OJ990527_22.9B17.C5.o2.tw	Method	TBLASTX:Wheat
Start	17264	End	17688
GI	none	Score	420
Exons	17264..17683, 17311..17685, 17362..17688		

Seq. No.	15843	Seq. ID	OJ990527_22.9B17.C5
Gene No.	33553	Strand	-
Start	37582	End	37724
Name	OJ990527_22.9B17.C5.o2.ts	Method	TBLASTX:Soybean
Start	17342	End	17743
GI	none	Score	280
Exons	17342..17743, 17359..17502, 17375..17734		

Seq. No.	15843	Seq. ID	OJ990527_22.9B17.C5
Gene No.	33553	Strand	-
Start	37582	End	37724
Name	OJ990527_22.9B17.C5.o4.tm	Method	TBLASTX:Maize
Start	17414	End	17854

GI	none	Score	266
Exons	17414..17665, 17443..17664, 17686..17817, 17687..17830, 17828..17854		

Seq. No.	15843	Seq. ID	OJ990527_22.9B17.C5
Gene No.	33553	Strand	-
Start	37582	End	37724
Name	OJ990527_22.9B17.C5.o8.tw	Method	TBLASTX:Wheat
Start	17692	End	17977
GI	none	Score	267
Exons	17692..17769, 17693..17974, 17882..17977		

Seq. No.	15843	Seq. ID	OJ990527_22.9B17.C5
Gene No.	33553	Strand	-
Start	37582	End	37724
Name	OJ990527_22.9B17.C5.o3.ts	Method	TBLASTX:Soybean
Start	17969	End	18357
GI	none	Score	71
Exons	17969..18073, 18109..18357, 18113..18355		

Seq. No.	15843	Seq. ID	OJ990527_22.9B17.C5
Gene No.	33553	Strand	-
Start	37582	End	37724
Name	OJ990527_22.9B17.C5.o4.tw	Method	TBLASTX:Wheat
Start	17978	End	18400
GI	none	Score	385
Exons	17978..18400, 17983..18324		

Seq. No.	15843	Seq. ID	OJ990527_22.9B17.C5
Gene No.	33553	Strand	-
Start	37582	End	37724
Name	OJ990527_22.9B17.C5.o6.tm	Method	TBLASTX:Maize
Start	18032	End	18304
GI	none	Score	134
Exons	18032..18202, 18206..18304		

Seq. No.	15843	Seq. ID	OJ990527_22.9B17.C5
Gene No.	33553	Strand	-
Start	37582	End	37724
Name	OJ990527_22.9B17.C5.o1.tm	Method	TBLASTX:Maize
Start	18718	End	19040
GI	none	Score	75
Exons	18718..18780, 18783..19040, 18797..19039		

Seq. No.	15843	Seq. ID	OJ990527_22.9B17.C5
Gene No.	33553	Strand	-
Start	37582	End	37724
Name	OJ990527_22.9B17.C5.o3.tw	Method	TBLASTX:Wheat
Start	18855	End	19237
GI	none	Score	396
Exons	18855..19235, 18855..19109, 18860..19237		

Seq. No.	15843	Seq. ID	OJ990527_22.9B17.C5
Gene No.	33553	Strand	-
Start	37582	End	37724
Name	OJ990527_22.9B17.C5.o7.tm	Method	TBLASTX:Maize
Start	19182	End	19454

GI	none	Score	92
Exons	19182..19271, 19275..19358, 19368..19454		

Seq. No.	15843	Seq. ID	OJ990527_22.9B17.C5
Gene No.	33553	Strand	-
Start	37582	End	37724
Name	OJ990527_22.9B17.C5.o5.tw	Method	TBLASTX:Wheat
Start	19239	End	19757
GI	none	Score	340
Exons	19239..19715, 19385..19588, 19707..19757		

Seq. No.	15843	Seq. ID	OJ990527_22.9B17.C5
Gene No.	33553	Strand	-
Start	37582	End	37724
Name	OJ990527_22.9B17.C5.o5.tm	Method	TBLASTX:Maize
Start	19536	End	19780
GI	none	Score	169
Exons	19536..19718, 19565..19615, 19658..19717, 19697..19780, 19698..19775		

Seq. No.	15843	Seq. ID	OJ990527_22.9B17.C5
Gene No.	33553	Strand	-
Start	37582	End	37724
Name	OJ990527_22.9B17.C5.o9.tw	Method	TBLASTX:Wheat
Start	25524	End	25815
GI	none	Score	97
Exons	25524..25814, 25561..25815		

Seq. No.	15843	Seq. ID	OJ990527_22.9B17.C5
Gene No.	33553	Strand	-
Start	37582	End	37724
Name	OJ990527_22.9B17.C5.o11.gs	Method	GENSCAN
Start	37582	End	37724
GI	none	Score	.68
Exons	37582..37724		

Seq. No.	15844	Seq. ID	OJ990527_22.9B17.C6
Gene No.	33554	Strand	+
Start	1	End	696
Name	OJ990527_22.9B17.C6.o1.np	Method	AAT/NAP
Start	1	End	696
GI	2909637	Score	121
Exons	1..340, 393..696		
GI Descrip.	(AL021942) PE_PGRS [Mycobacterium tuberculosis]		

Seq. No.	15844	Seq. ID	OJ990527_22.9B17.C6
Gene No.	33555	Strand	-
Start	221	End	507
Name	OJ990527_22.9B17.C6.o1.gs	Method	GENSCAN
Start	221	End	507
GI	none	Score	.53
Exons	221..301, 394..507		

Seq. No.	15845	Seq. ID	OJ990917_20.9B16.C1
Gene No.	33556	Strand	+
Start	13443	End	15500
Name	OJ990917_20.9B16.C1.o2.np	Method	AAT/NAP

Start	13443	End	15500
GI	6069646	Score	957
Exons	13443..14239, 14521..15500		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	15845	Seq. ID	OJ990917_20.9B16.C1
Gene No.	33557	Strand	-
Start	1	End	2161
Name	OJ990917_20.9B16.C1.o1.gp	Method	AAT/GAP
Start	1	End	2161
GI	237_1.R1084	Score	1614
Exons	1..36, 64..136, 953..1767, 2059..2161		
GI Descrip.	'1705734/sp\|P53683\|CDP2_ORYSA 0.0e+00 CALCIUM-DEPENDENT PROTEIN KINASE, ISOFORM 2 (CDPK 2) >gi_1362176_pir__S56652 probable calcium-dependent protein kinase (clone OSCPK2) - rice >gi_587498_emb_CAA57157_ (X81394) calcium-dependent protein kinase [Oryza sativa]'		

Seq. No.	15845	Seq. ID	OJ990917_20.9B16.C1
Gene No.	33557	Strand	-
Start	1	End	2161
Name	OJ990917_20.9B16.C1.o1.np	Method	AAT/NAP
Start	980	End	1701
GI	1705734	Score	1099
Exons	980..1701		
GI Descrip.	CALCIUM-DEPENDENT PROTEIN KINASE, ISOFORM 2 (CDPK 2) gi\|1362176\|pir\|\|S56652 probable calcium-dependent protein kinase (clone OSCPK2) - rice gi\|587498\|emb\|CAA57157\| (X81394) calcium-dependent protein kinase [Oryza sativa]		

Seq. No.	15845	Seq. ID	OJ990917_20.9B16.C1
Gene No.	33557	Strand	-
Start	1	End	2161
Name	OJ990917_20.9B16.C1.o1.gs	Method	GENSCAN
Start	984	End	1701
GI	none	Score	.94
Exons	984..1701		

Seq. No.	15845	Seq. ID	OJ990917_20.9B16.C1
Gene No.	33558	Strand	-
Start	16515	End	19784
Name	OJ990917_20.9B16.C1.o1.tc	Method	TBLASTX:Cress
Start	965	End	1491
GI	none	Score	276
Exons	965..1270, 976..1491, 1315..1464, 1352..1486		

Seq. No.	15845	Seq. ID	OJ990917_20.9B16.C1
Gene No.	33558	Strand	-
Start	16515	End	19784
Name	OJ990917_20.9B16.C1.o1.tm	Method	TBLASTX:Maize
Start	965	End	1765
GI	none	Score	139
Exons	965..1078, 973..1080, 975..1094, 976..1077, 983..1093,		

996..1259, 1004..1267, 1006..1491, 1008..1508, 1302..1538, 1511..1564, 1512..1577, 1537..1674, 1575..1703, 1576..1704, 1576..1704, 1578..1706, 1690..1737, 1706..1765

Seq. No.	15845	Seq. ID	OJ990917_20.9B16.C1
Gene No.	33558	Strand	-
Start	16515	End	19784
Name	OJ990917_20.9B16.C1.o1.ts	Method	TBLASTX:Soybean
Start	974	End	1629
GI	none	Score	274
Exons	974..1270, 976..1491, 1352..1492, 1394..1492, 1567..1629, 1570..1623		

Seq. No.	15845	Seq. ID	OJ990917_20.9B16.C1
Gene No.	33558	Strand	-
Start	16515	End	19784
Name	OJ990917_20.9B16.C1.o2.tw	Method	TBLASTX:Wheat
Start	1033	End	10446
GI	none	Score	176
Exons	1033..1323, 1037..1228, 1057..1245, 10366..10446		

Seq. No.	15845	Seq. ID	OJ990917_20.9B16.C1
Gene No.	33558	Strand	-
Start	16515	End	19784
Name	OJ990917_20.9B16.C1.o7.tm	Method	TBLASTX:Maize
Start	12349	End	12619
GI	none	Score	133
Exons	12349..12495, 12374..12511, 12515..12619, 12541..12588		

Seq. No.	15845	Seq. ID	OJ990917_20.9B16.C1
Gene No.	33558	Strand	-
Start	16515	End	19784
Name	OJ990917_20.9B16.C1.o3.tw	Method	TBLASTX:Wheat
Start	12442	End	12762
GI	none	Score	212
Exons	12442..12762, 12449..12745		

Seq. No.	15845	Seq. ID	OJ990917_20.9B16.C1
Gene No.	33558	Strand	-
Start	16515	End	19784
Name	OJ990917_20.9B16.C1.o4.tm	Method	TBLASTX:Maize
Start	12821	End	13255
GI	none	Score	371
Exons	12821..13255, 12976..13059, 13088..13150		

Seq. No.	15845	Seq. ID	OJ990917_20.9B16.C1
Gene No.	33558	Strand	-
Start	16515	End	19784
Name	OJ990917_20.9B16.C1.o4.tw	Method	TBLASTX:Wheat
Start	13340	End	13675
GI	none	Score	84
Exons	13340..13480, 13493..13675		

Seq. No.	15845	Seq. ID	OJ990917_20.9B16.C1
Gene No.	33558	Strand	-
Start	16515	End	19784
Name	OJ990917_20.9B16.C1.o2.tm	Method	TBLASTX:Maize

Start	13421	End	13846
GI	none	Score	437
Exons	13421..13843, 13430..13846, 13600..13845		

Seq. No.	15845	Seq. ID	OJ990917_20.9B16.C1
Gene No.	33558	Strand	-
Start	16515	End	19784
Name	OJ990917_20.9B16.C1.o3.tm	Method	TBLASTX:Maize
Start	13850	End	14467
GI	none	Score	372
Exons	13850..14467, 13876..14310		

Seq. No.	15845	Seq. ID	OJ990917_20.9B16.C1
Gene No.	33558	Strand	-
Start	16515	End	19784
Name	OJ990917_20.9B16.C1.o1.tw	Method	TBLASTX:Wheat
Start	14104	End	14541
GI	none	Score	278
Exons	14104..14379, 14105..14404, 14210..14386, 14353..14541, 14448..14537		

Seq. No.	15845	Seq. ID	OJ990917_20.9B16.C1
Gene No.	33558	Strand	-
Start	16515	End	19784
Name	OJ990917_20.9B16.C1.o6.tm	Method	TBLASTX:Maize
Start	14517	End	14811
GI	none	Score	179
Exons	14517..14696, 14518..14697, 14701..14811		

Seq. No.	15845	Seq. ID	OJ990917_20.9B16.C1
Gene No.	33558	Strand	-
Start	16515	End	19784
Name	OJ990917_20.9B16.C1.o5.tm	Method	TBLASTX:Maize
Start	14917	End	15485
GI	none	Score	180
Exons	14917..15123, 15034..15123, 15120..15215, 15309..15422, 15438..15485		

Seq. No.	15845	Seq. ID	OJ990917_20.9B16.C1
Gene No.	33558	Strand	-
Start	16515	End	19784
Name	OJ990917_20.9B16.C1.o3.np	Method	AAT/NAP
Start	16515	End	19784
GI	6806911	Score	113
Exons	16515..16539, 19347..19460, 19537..19784		
GI Descrip.	formin gi\|544346\|sp\|Q05860\|FORM_MOUSE FORMIN (LIMB DEFORMITY PROTEIN) gi\|478571\|pir\|\|S11515 formin - mouse gi\|52878\|emb\|CAA37668\| (X53599) formin [Mus musculus] gi\|227109\|prf\|\|1614337A formin [Mus musculus]		

Seq. No.	15845	Seq. ID	OJ990917_20.9B16.C1
Gene No.	33558	Strand	-
Start	16515	End	19784
Name	OJ990917_20.9B16.C1.o3.gs	Method	GENSCAN
Start	19291	End	19738
GI	none	Score	.45
Exons	19291..19738		

Seq. No.	15846	Seq. ID	OJ990917_20.9B16.C2
Gene No.	33559	Strand	-
Start	240	End	3006
Name	OJ990917_20.9B16.C2.o1.gs	Method	GENSCAN
Start	240	End	3006
GI	none	Score	.63
Exons	240..505, 567..762, 1038..1067, 1156..1229, 1374..1410, 2899..3006		

Seq. No.	15847	Seq. ID	OJ990917_20.9B16.C4
Gene No.	33560	Strand	+
Start	1	End	1345
Name	OJ990917_20.9B16.C4.o1.np	Method	AAT/NAP
Start	1	End	1345
GI	3645898	Score	510
Exons	1..1057, 1274..1345		
GI Descrip.	(U68408) in-frame stop codon; possibly a post-transposition mutation [Zea mays]		

Seq. No.	15847	Seq. ID	OJ990917_20.9B16.C4
Gene No.	33560	Strand	+
Start	1	End	1345
Name	OJ990917_20.9B16.C4.o1.gs	Method	GENSCAN
Start	13	End	1337
GI	none	Score	.59
Exons	13..265, 441..1337		

Seq. No.	15847	Seq. ID	OJ990917_20.9B16.C4
Gene No.	33560	Strand	+
Start	1	End	1345
Name	OJ990917_20.9B16.C4.o1.tm	Method	TBLASTX:Maize
Start	214	End	721
GI	none	Score	41
Exons	214..240, 370..708, 371..721		

Seq. No.	15848	Seq. ID	OJ990917_20.9B16.C5
Gene No.	33561	Strand	+
Start	1	End	1405
Name	OJ990917_20.9B16.C5.o1.np	Method	AAT/NAP
Start	1	End	1405
GI	6630685	Score	864
Exons	1..572, 687..962, 1373..1405		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	15848	Seq. ID	OJ990917_20.9B16.C5
Gene No.	33561	Strand	+
Start	1	End	1405
Name	OJ990917_20.9B16.C5.o1.tm	Method	TBLASTX:Maize
Start	1	End	416
GI	none	Score	452
Exons	1..108, 2..373, 3..416, 3..410		

Seq. No.	15848	Seq. ID	OJ990917_20.9B16.C5
Gene No.	33561	Strand	+
Start	1	End	1405

Name	OJ990917_20.9B16.C5.o2.ts	Method	TBLASTX:Soybean
Start	2	End	365
GI	none	Score	158
Exons	2..94, 3..215, 264..365		

Seq. No.	15848	Seq. ID	OJ990917_20.9B16.C5
Gene No.	33561	Strand	+
Start	1	End	1405
Name	OJ990917_20.9B16.C5.o1.gs	Method	GENSCAN
Start	39	End	980
GI	none	Score	.99
Exons	39..980		

Seq. No.	15848	Seq. ID	OJ990917_20.9B16.C5
Gene No.	33561	Strand	+
Start	1	End	1405
Name	OJ990917_20.9B16.C5.o1.tw	Method	TBLASTX:Wheat
Start	147	End	407
GI	none	Score	91
Exons	147..215, 224..373, 249..386, 261..407		

Seq. No.	15848	Seq. ID	OJ990917_20.9B16.C5
Gene No.	33561	Strand	+
Start	1	End	1405
Name	OJ990917_20.9B16.C5.o2.tm	Method	TBLASTX:Maize
Start	696	End	965
GI	none	Score	346
Exons	696..965, 732..956		

Seq. No.	15848	Seq. ID	OJ990917_20.9B16.C5
Gene No.	33561	Strand	+
Start	1	End	1405
Name	OJ990917_20.9B16.C5.o1.ts	Method	TBLASTX:Soybean
Start	758	End	968
GI	5509260	Score	226
Exons	758..967, 759..968		
GI Descrip.	-		

Seq. No.	15849	Seq. ID	OJ990917_20.9B16.C6
Gene No.	33562	Strand	+
Start	1	End	2003
Name	OJ990917_20.9B16.C6.o1.np	Method	AAT/NAP
Start	1	End	2003
GI	6063554	Score	355
Exons	1..334, 452..691, 1163..1190, 1829..2003		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	15849	Seq. ID	OJ990917_20.9B16.C6
Gene No.	33562	Strand	+
Start	1	End	2003
Name	OJ990917_20.9B16.C6.o1.gp	Method	AAT/GAP
Start	1409	End	1843
GI	2428185	Score	580
Exons	1409..1843		
GI Descrip.	5852170/emb\|AL117265.1\|OST17804 1.0e-177 Oryza sativa		

indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804

Seq. No.	15849	Seq. ID	OJ990917_20.9B16.C6
Gene No.	33563	Strand	+
Start	2375	End	2647
Name	OJ990917_20.9B16.C6.o2.gp	Method	AAT/GAP
Start	2375	End	2647
GI	61605_1.R1084	Score	466
Exons	2375..2647		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-137 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	15849	Seq. ID	OJ990917_20.9B16.C6
Gene No.	33564	Strand	+
Start	3244	End	8458
Name	OJ990917_20.9B16.C6.o2.np	Method	AAT/NAP
Start	3244	End	8458
GI	4680179	Score	674
Exons	3244..4247, 8413..8458		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	15849	Seq. ID	OJ990917_20.9B16.C6
Gene No.	33564	Strand	+
Start	3244	End	8458
Name	OJ990917_20.9B16.C6.o3.np	Method	AAT/NAP
Start	3471	End	6975
GI	6063554	Score	112
Exons	3471..3575, 5059..5331, 5449..5618, 6901..6975		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	15849	Seq. ID	OJ990917_20.9B16.C6
Gene No.	33564	Strand	+
Start	3244	End	8458
Name	OJ990917_20.9B16.C6.o2.gs	Method	GENSCAN
Start	5488	End	8063
GI	none	Score	.48
Exons	5488..5549, 6109..6233, 7395..7728, 7751..8063		

Seq. No.	15849	Seq. ID	OJ990917_20.9B16.C6
Gene No.	33565	Strand	-
Start	6290	End	8926
Name	OJ990917_20.9B16.C6.o1.tm	Method	TBLASTX:Maize
Start	3600	End	3896
GI	none	Score	245
Exons	3600..3896, 3623..3787, 3828..3896		

Seq. No.	15849	Seq. ID	OJ990917_20.9B16.C6
Gene No.	33565	Strand	-
Start	6290	End	8926
Name	OJ990917_20.9B16.C6.o1.tw	Method	TBLASTX:Wheat
Start	3600	End	3896
GI	none	Score	287
Exons	3600..3896, 3623..3793, 3624..3794		

Seq. No.	15849	Seq. ID	OJ990917_20.9B16.C6

Gene No.	33565	Strand	-
Start	6290	End	8926
Name	OJ990917_20.9B16.C6.o4.np	Method	AAT/NAP
Start	6290	End	8926
GI	6063554	Score	177
Exons	6290..6461, 7530..7574, 7659..7862, 8905..8926		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	15849	Seq. ID	OJ990917_20.9B16.C6
Gene No.	33565	Strand	-
Start	6290	End	8926
Name	OJ990917_20.9B16.C6.o3.gs	Method	GENSCAN
Start	8695	End	8799
GI	none	Score	.57
Exons	8695..8799		

Seq. No.	15850	Seq. ID	OJ990917_20.9B16.C7
Gene No.	33566	Strand	+
Start	1	End	3991
Name	OJ990917_20.9B16.C7.o1.np	Method	AAT/NAP
Start	1	End	1373
GI	6630685	Score	2021
Exons	1..1373		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	15850	Seq. ID	OJ990917_20.9B16.C7
Gene No.	33566	Strand	+
Start	1	End	3991
Name	OJ990917_20.9B16.C7.o2.ts	Method	TBLASTX:Soybean
Start	1	End	346
GI	5509260	Score	177
Exons	1..141, 3..131, 146..346, 150..344		
GI Descrip.	-		

Seq. No.	15850	Seq. ID	OJ990917_20.9B16.C7
Gene No.	33566	Strand	+
Start	1	End	3991
Name	OJ990917_20.9B16.C7.o1.tw	Method	TBLASTX:Wheat
Start	3	End	332
GI	none	Score	190
Exons	3..134, 4..147, 148..318, 152..319, 156..332		

Seq. No.	15850	Seq. ID	OJ990917_20.9B16.C7
Gene No.	33566	Strand	+
Start	1	End	3991
Name	OJ990917_20.9B16.C7.o3.tm	Method	TBLASTX:Maize
Start	7	End	147
GI	none	Score	195
Exons	7..147, 9..146		

Seq. No.	15850	Seq. ID	OJ990917_20.9B16.C7
Gene No.	33566	Strand	+
Start	1	End	3991
Name	OJ990917_20.9B16.C7.o2.tm	Method	TBLASTX:Maize

Start	149	End	584
GI	none	Score	616
Exons	149..574, 150..584		

Seq. No.	15850	Seq. ID	OJ990917_20.9B16.C7
Gene No.	33566	Strand	+
Start	1	End	3991
Name	OJ990917_20.9B16.C7.o1.gs	Method	GENSCAN
Start	486	End	3991
GI	none	Score	.45
Exons	486..1338, 2304..3991		

Seq. No.	15850	Seq. ID	OJ990917_20.9B16.C7
Gene No.	33566	Strand	+
Start	1	End	3991
Name	OJ990917_20.9B16.C7.o3.tw	Method	TBLASTX:Wheat
Start	522	End	848
GI	none	Score	96
Exons	522..671, 576..656, 696..848		

Seq. No.	15850	Seq. ID	OJ990917_20.9B16.C7
Gene No.	33566	Strand	+
Start	1	End	3991
Name	OJ990917_20.9B16.C7.o1.tm	Method	TBLASTX:Maize
Start	699	End	1376
GI	none	Score	1007
Exons	699..1370, 706..1155, 707..1306, 1080..1376		

Seq. No.	15850	Seq. ID	OJ990917_20.9B16.C7
Gene No.	33566	Strand	+
Start	1	End	3991
Name	OJ990917_20.9B16.C7.o1.ts	Method	TBLASTX:Soybean
Start	717	End	1358
GI	none	Score	290
Exons	717..1115, 941..1105, 1125..1358		

Seq. No.	15850	Seq. ID	OJ990917_20.9B16.C7
Gene No.	33566	Strand	+
Start	1	End	3991
Name	OJ990917_20.9B16.C7.o2.tw	Method	TBLASTX:Wheat
Start	855	End	1310
GI	none	Score	123
Exons	855..1112, 1010..1111, 1134..1310, 1193..1306		

Seq. No.	15850	Seq. ID	OJ990917_20.9B16.C7
Gene No.	33566	Strand	+
Start	1	End	3991
Name	OJ990917_20.9B16.C7.o1.tc	Method	TBLASTX:Cress
Start	897	End	1355
GI	none	Score	63
Exons	897..986, 990..1124, 1136..1309, 1143..1355		

Seq. No.	15851	Seq. ID	OJ990917_20.9B16.C8
Gene No.	33567	Strand	-
Start	77	End	157
Name	OJ990917_20.9B16.C8.o1.gs	Method	GENSCAN
Start	77	End	157

GI	none	Score	.43
Exons	77..157		

Seq. No.	15852	Seq. ID	OJ990917_20.9B16.C9
Gene No.	33568	Strand	-
Start	2583	End	2765
Name	OJ990917_20.9B16.C9.o1.gs	Method	GENSCAN
Start	2583	End	2765
GI	none	Score	.82
Exons	2583..2765		

Seq. No.	15853	Seq. ID	OJ990917_20.9B16.C12
Gene No.	33569	Strand	+
Start	833	End	1291
Name	OJ990917_20.9B16.C12.o1.gs	Method	GENSCAN
Start	833	End	1291
GI	none	Score	.99
Exons	833..1291		

Seq. No.	15854	Seq. ID	OJ990917_20.9B16.C15
Gene No.	33570	Strand	+
Start	3921	End	4403
Name	OJ990917_20.9B16.C15.o2.gs	Method	GENSCAN
Start	3921	End	4403
GI	none	Score	1
Exons	3921..4403		

Seq. No.	15854	Seq. ID	OJ990917_20.9B16.C15
Gene No.	33571	Strand	+
Start	5244	End	7193
Name	OJ990917_20.9B16.C15.o3.np	Method	AAT/NAP
Start	5244	End	7193
GI	5902381	Score	54
Exons	5244..5284, 7069..7193		
GI Descrip.	(AC009322) Similar to DNAJ proteins [Arabidopsis thaliana]		

Seq. No.	15854	Seq. ID	OJ990917_20.9B16.C15
Gene No.	33572	Strand	+
Start	7900	End	10589
Name	OJ990917_20.9B16.C15.o3.gs	Method	GENSCAN
Start	7900	End	10097
GI	none	Score	.85
Exons	7900..8341, 8752..8942, 10014..10097		

Seq. No.	15854	Seq. ID	OJ990917_20.9B16.C15
Gene No.	33572	Strand	+
Start	7900	End	10589
Name	OJ990917_20.9B16.C15.o4.np	Method	AAT/NAP
Start	7900	End	10589
GI	5732053	Score	801
Exons	7900..8341, 8752..8941, 9421..9539, 10062..10444, 10556..10589		
GI Descrip.	(AF149414) contains similarity to Pfam family PF00145 (C-5 cytosine-specific DNA methylase); score=10.4. E=0.051, N=1 [Arabidopsis thaliana]		

Seq. No.	15854	Seq. ID	OJ990917_20.9B16.C15
Gene No.	33573	Strand	-

Start	396	End	2743
Name	OJ990917_20.9B16.C15.o1.gs	Method	GENSCAN
Start	396	End	2743
GI	none	Score	.84
Exons	396..842, 1661..1765, 2074..2248, 2661..2743		

Seq. No.	15854	Seq. ID	OJ990917_20.9B16.C15
Gene No.	33573	Strand	-
Start	396	End	2743
Name	OJ990917_20.9B16.C15.o1.np	Method	AAT/NAP
Start	788	End	2211
GI	6907088	Score	1164
Exons	788..1172, 1661..1898, 2074..2211		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	15855	Seq. ID	OJ990917_20.9B16.C16
Gene No.	33574	Strand	+
Start	1	End	1164
Name	OJ990917_20.9B16.C16.o1.np	Method	AAT/NAP
Start	1	End	1156
GI	5732053	Score	732
Exons	1..564, 619..1156		
GI Descrip.	(AF149414) contains similarity to Pfam family PF00145 (C-5 cytosine-specific DNA methylase); score=10.4. E=0.051, N=1 [Arabidopsis thaliana]		

Seq. No.	15855	Seq. ID	OJ990917_20.9B16.C16
Gene No.	33574	Strand	+
Start	1	End	1164
Name	OJ990917_20.9B16.C16.o1.gs	Method	GENSCAN
Start	94	End	1164
GI	none	Score	.9
Exons	94..1164		

Seq. No.	15856	Seq. ID	OJ990917_20.9B16.C17
Gene No.	33575	Strand	+
Start	1	End	1467
Name	OJ990917_20.9B16.C17.o1.np	Method	AAT/NAP
Start	1	End	1299
GI	5732053	Score	352
Exons	1..177, 260..336, 1157..1299		
GI Descrip.	(AF149414) contains similarity to Pfam family PF00145 (C-5 cytosine-specific DNA methylase); score=10.4. E=0.051, N=1 [Arabidopsis thaliana]		

Seq. No.	15856	Seq. ID	OJ990917_20.9B16.C17
Gene No.	33575	Strand	+
Start	1	End	1467
Name	OJ990917_20.9B16.C17.o1.tc	Method	TBLASTX:Cress
Start	15	End	177
GI	none	Score	216
Exons	15..173, 22..177		

Seq. No.	15856	Seq. ID	OJ990917_20.9B16.C17
Gene No.	33575	Strand	+
Start	1	End	1467
Name	OJ990917_20.9B16.C17.o1.gs	Method	GENSCAN

Start	1157	End	1461
GI	none	Score	.83
Exons	1157..1263, 1361..1461		

Seq. No.	15856	Seq. ID	OJ990917_20.9B16.C17
Gene No.	33575	Strand	+
Start	1	End	1467
Name	OJ990917_20.9B16.C17.o1.tm	Method	TBLASTX:Maize
Start	1224	End	1467
GI	none	Score	51
Exons	1224..1265, 1227..1265, 1359..1466, 1360..1467		

Seq. No.	15857	Seq. ID	OJ990917_20.9B16.C19
Gene No.	33576	Strand	+
Start	1	End	668
Name	OJ990917_20.9B16.C19.o2.np	Method	AAT/NAP
Start	1	End	668
GI	4680183	Score	130
Exons	1..36, 577..668		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	15857	Seq. ID	OJ990917_20.9B16.C19
Gene No.	33576	Strand	+
Start	1	End	668
Name	OJ990917_20.9B16.C19.o1.gs	Method	GENSCAN
Start	311	End	416
GI	none	Score	.51
Exons	311..416		

Seq. No.	15857	Seq. ID	OJ990917_20.9B16.C19
Gene No.	33577	Strand	-
Start	1	End	546
Name	OJ990917_20.9B16.C19.o1.np	Method	AAT/NAP
Start	1	End	546
GI	6721561	Score	77
Exons	1..71, 460..546		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	15857	Seq. ID	OJ990917_20.9B16.C19
Gene No.	33578	Strand	-
Start	1471	End	1937
Name	OJ990917_20.9B16.C19.o2.gs	Method	GENSCAN
Start	1471	End	1937
GI	none	Score	.78
Exons	1471..1595, 1695..1763, 1781..1803, 1846..1937		

Seq. No.	15858	Seq. ID	OJ990917_20.9B16.C21
Gene No.	33579	Strand	+
Start	39	End	1105
Name	OJ990917_20.9B16.C21.o1.gs	Method	GENSCAN
Start	39	End	1105
GI	none	Score	.52
Exons	39..84, 212..417, 650..764, 1053..1105		

Seq. No.	15858	Seq. ID	OJ990917_20.9B16.C21
Gene No.	33580	Strand	+
Start	2632	End	3976
Name	OJ990917_20.9B16.C21.o2.np	Method	AAT/NAP
Start	2632	End	3976
GI	6630699	Score	77
Exons	2632..2654, 3889..3976		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	15858	Seq. ID	OJ990917_20.9B16.C21
Gene No.	33581	Strand	+
Start	6322	End	9052
Name	OJ990917_20.9B16.C21.o4.gs	Method	GENSCAN
Start	6322	End	9052
GI	none	Score	.65
Exons	6322..6433, 7202..7305, 7335..9052		

Seq. No.	15858	Seq. ID	OJ990917_20.9B16.C21
Gene No.	33581	Strand	+
Start	6322	End	9052
Name	OJ990917_20.9B16.C21.o4.np	Method	AAT/NAP
Start	7380	End	8625
GI	6721562	Score	1851
Exons	7380..8625		
GI Descrip.	(AP001073) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa] gi\|6815087\|dbj\|BAA90373.1\| (AP001081) Similar to Zea mays 22-kDa alpha zein gene cluster; hypothetical protein. (AF031569) [Oryza sativa]		

Seq. No.	15858	Seq. ID	OJ990917_20.9B16.C21
Gene No.	33582	Strand	-
Start	169	End	3838
Name	OJ990917_20.9B16.C21.o1.np	Method	AAT/NAP
Start	169	End	3838
GI	5922620	Score	724
Exons	169..299, 1658..1697, 1914..1958, 1995..2171, 2219..2377, 2670..2707, 3344..3368, 3701..3838		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6016853\|dbj\|BAA85196.1\| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	15858	Seq. ID	OJ990917_20.9B16.C21
Gene No.	33582	Strand	-
Start	169	End	3838
Name	OJ990917_20.9B16.C21.o2.gs	Method	GENSCAN
Start	1888	End	3690
GI	none	Score	.69
Exons	1888..2242, 2518..2594, 2868..3031, 3344..3368, 3414..3534, 3572..3690		

Seq. No.	15858	Seq. ID	OJ990917_20.9B16.C21

Gene No.	33583	Strand	-
Start	4112	End	5820
Name	OJ990917_20.9B16.C21.o3.gs	Method	GENSCAN
Start	4112	End	4337
GI	none	Score	.47
Exons	4112..4244, 4246..4337		

Seq. No.	15858	Seq. ID	OJ990917_20.9B16.C21
Gene No.	33583	Strand	-
Start	4112	End	5820
Name	OJ990917_20.9B16.C21.o3.np	Method	AAT/NAP
Start	4115	End	5820
GI	5922620	Score	112
Exons	4115..4285, 5800..5820		
GI Descrip.	(AP000492) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6016853\|dbj\|BAA85196.1\| (AP000570) EST D15357(C0514) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	15858	Seq. ID	OJ990917_20.9B16.C21
Gene No.	33584	Strand	
Start	8034	End	8426
Name	OJ990917_20.9B16.C21.o1.tw	Method	TBLASTX:Wheat
Start	8034	End	8426
GI	none	Score	58
Exons	8034..8081, 8088..8186, 8093..8185, 8153..8392, 8169..8426		

Seq. No.	15858	Seq. ID	OJ990917_20.9B16.C21
Gene No.	33584	Strand	
Start	8034	End	8426
Name	OJ990917_20.9B16.C21.o1.tm	Method	TBLASTX:Maize
Start	8039	End	8324
GI	none	Score	197
Exons	8039..8323, 8076..8324		

Seq. No.	15859	Seq. ID	OJ990917_20.9B16.C22
Gene No.	33585	Strand	+
Start	1	End	4320
Name	OJ990917_20.9B16.C22.o1.np	Method	AAT/NAP
Start	1	End	4314
GI	6498441	Score	5309
Exons	1..526, 590..963, 1147..1281, 1456..1811, 2003..2370, 2542..3939, 4033..4314		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	15859	Seq. ID	OJ990917_20.9B16.C22
Gene No.	33585	Strand	+
Start	1	End	4320
Name	OJ990917_20.9B16.C22.o4.tw	Method	TBLASTX:Wheat
Start	8	End	433
GI	none	Score	360
Exons	8..433, 17..397, 142..402		

Seq. No.	15859	Seq. ID	OJ990917_20.9B16.C22

Gene No.	33585	Strand	+
Start	1	End	4320
Name	OJ990917_20.9B16.C22.o1.tw	Method	TBLASTX:Wheat
Start	597	End	1060
GI	none	Score	206
Exons	597..1040, 598..1053, 599..1060, 599..1054		

Seq. No.	15859	Seq. ID	OJ990917_20.9B16.C22
Gene No.	33585	Strand	+
Start	1	End	4320
Name	OJ990917_20.9B16.C22.o3.ts	Method	TBLASTX:Soybean
Start	638	End	1003
GI	none	Score	118
Exons	638..862, 869..1003		

Seq. No.	15859	Seq. ID	OJ990917_20.9B16.C22
Gene No.	33585	Strand	+
Start	1	End	4320
Name	OJ990917_20.9B16.C22.o1.tm	Method	TBLASTX:Maize
Start	728	End	1084
GI	none	Score	392
Exons	728..1084, 763..1074, 779..1084		

Seq. No.	15859	Seq. ID	OJ990917_20.9B16.C22
Gene No.	33585	Strand	+
Start	1	End	4320
Name	OJ990917_20.9B16.C22.o2.tm	Method	TBLASTX:Maize
Start	1111	End	1495
GI	none	Score	361
Exons	1111..1197, 1112..1495, 1146..1328, 1255..1476		

Seq. No.	15859	Seq. ID	OJ990917_20.9B16.C22
Gene No.	33585	Strand	+
Start	1	End	4320
Name	OJ990917_20.9B16.C22.o2.tw	Method	TBLASTX:Wheat
Start	1169	End	1588
GI	none	Score	489
Exons	1169..1588, 1170..1358, 1267..1581		

Seq. No.	15859	Seq. ID	OJ990917_20.9B16.C22
Gene No.	33585	Strand	+
Start	1	End	4320
Name	OJ990917_20.9B16.C22.o1.ts	Method	TBLASTX:Soybean
Start	1217	End	1618
GI	none	Score	283
Exons	1217..1618, 1264..1407		

Seq. No.	15859	Seq. ID	OJ990917_20.9B16.C22
Gene No.	33585	Strand	+
Start	1	End	4320
Name	OJ990917_20.9B16.C22.o5.tw	Method	TBLASTX:Wheat
Start	2218	End	2676
GI	none	Score	237
Exons	2218..2472, 2242..2493, 2307..2492, 2527..2676, 2538..2675		

Seq. No.	15859	Seq. ID	OJ990917_20.9B16.C22
Gene No.	33585	Strand	+

Start	1	End	4320
Name	OJ990917_20.9B16.C22.o2.ts	Method	TBLASTX:Soybean
Start	2365	End	2931
GI	5666795	Score	68
Exons	2365..2463, 2539..2676, 2731..2931		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	15859	Seq. ID	OJ990917_20.9B16.C22
Gene No.	33585	Strand	+
Start	1	End	4320
Name	OJ990917_20.9B16.C22.o7.tw	Method	TBLASTX:Wheat
Start	2679	End	2991
GI	none	Score	190
Exons	2679..2855, 2731..2991		

Seq. No.	15859	Seq. ID	OJ990917_20.9B16.C22
Gene No.	33585	Strand	+
Start	1	End	4320
Name	OJ990917_20.9B16.C22.o3.tm	Method	TBLASTX:Maize
Start	3184	End	3546
GI	none	Score	353
Exons	3184..3507, 3213..3494, 3304..3516, 3499..3546		

Seq. No.	15859	Seq. ID	OJ990917_20.9B16.C22
Gene No.	33585	Strand	+
Start	1	End	4320
Name	OJ990917_20.9B16.C22.o3.tw	Method	TBLASTX:Wheat
Start	3321	End	3702
GI	none	Score	375
Exons	3321..3377, 3322..3702, 3325..3663, 3423..3671		

Seq. No.	15859	Seq. ID	OJ990917_20.9B16.C22
Gene No.	33585	Strand	+
Start	1	End	4320
Name	OJ990917_20.9B16.C22.o6.tw	Method	TBLASTX:Wheat
Start	3703	End	4305
GI	none	Score	264
Exons	3703..3987, 3708..3986, 4111..4152, 4179..4301, 4180..4305		

Seq. No.	15859	Seq. ID	OJ990917_20.9B16.C22
Gene No.	33585	Strand	+
Start	1	End	4320
Name	OJ990917_20.9B16.C22.o4.tm	Method	TBLASTX:Maize
Start	4174	End	4320
GI	none	Score	186
Exons	4174..4320, 4179..4313		

Seq. No.	15860	Seq. ID	OJ990917_20.9B16.C23
Gene No.	33586	Strand	-
Start	830	End	1167
Name	OJ990917_20.9B16.C23.o2.gs	Method	GENSCAN
Start	830	End	1086
GI	none	Score	.92
Exons	830..1086		

Seq. No.	15860	Seq. ID	OJ990917_20.9B16.C23
Gene No.	33586	Strand	-

Start	830	End	1167
Name	OJ990917_20.9B16.C23.o1.np	Method	AAT/NAP
Start	833	End	1167
GI	6539586	Score	546
Exons	833..1167		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	15861	Seq. ID	OJ990917_20.9B16.C24
Gene No.	33587	Strand	-
Start	1	End	2298
Name	OJ990917_20.9B16.C24.o1.np	Method	AAT/NAP
Start	1	End	2298
GI	6907089	Score	3399
Exons	1..942, 1037..2298		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	15861	Seq. ID	OJ990917_20.9B16.C24
Gene No.	33587	Strand	-
Start	1	End	2298
Name	OJ990917_20.9B16.C24.o1.gs	Method	GENSCAN
Start	18	End	2298
GI	none	Score	.92
Exons	18..942, 1037..2298		

Seq. No.	15862	Seq. ID	OJ990917_20.9B16.C25
Gene No.	33588	Strand	+
Start	272	End	601
Name	OJ990917_20.9B16.C25.o1.gs	Method	GENSCAN
Start	272	End	601
GI	none	Score	.95
Exons	272..601		

Seq. No.	15862	Seq. ID	OJ990917_20.9B16.C25
Gene No.	33589	Strand	-
Start	1611	End	4918
Name	OJ990917_20.9B16.C25.o2.gs	Method	GENSCAN
Start	1611	End	4918
GI	none	Score	.88
Exons	1611..2191, 4906..4918		

Seq. No.	15863	Seq. ID	OJ990917_20.9B16.C27
Gene No.	33590	Strand	+
Start	1	End	682
Name	OJ990917_20.9B16.C27.o1.np	Method	AAT/NAP
Start	1	End	682
GI	1705734	Score	465
Exons	1..132, 220..348, 576..682		
GI Descrip.	CALCIUM-DEPENDENT PROTEIN KINASE, ISOFORM 2 (CDPK 2) gi\|1362176\|pir\|\|S56652 probable calcium-dependent protein kinase (clone OSCPK2) - rice gi\|587498\|emb\|CAA57157\| (X81394) calcium-dependent protein kinase [Oryza sativa]		

Seq. No.	15863	Seq. ID	OJ990917_20.9B16.C27
Gene No.	33590	Strand	+
Start	1	End	682
Name	OJ990917_20.9B16.C27.o1.tc	Method	TBLASTX:Cress
Start	1	End	672

GI	none	Score	186
Exons	1..132, 4..72, 6..134, 6..131, 222..269, 223..270, 292..351, 293..349, 577..672		

Seq. No.	15863	Seq. ID	OJ990917_20.9B16.C27
Gene No.	33590	Strand	+
Start	1	End	682
Name	OJ990917_20.9B16.C27.o1.ts	Method	TBLASTX:Soybean
Start	1	End	674
GI	none	Score	206
Exons	1..132, 4..72, 6..134, 6..131, 104..133, 221..268, 222..269, 222..269, 223..270, 290..343, 292..348, 293..349, 571..666, 572..670, 575..667, 576..674, 577..672		

Seq. No.	15863	Seq. ID	OJ990917_20.9B16.C27
Gene No.	33590	Strand	+
Start	1	End	682
Name	OJ990917_20.9B16.C27.o1.tm	Method	TBLASTX:Maize
Start	1	End	674
GI	none	Score	206
Exons	1..132, 4..72, 6..131, 7..132, 221..268, 222..269, 222..269, 223..270, 290..343, 292..327, 292..348, 293..349, 571..666, 572..670, 576..674, 577..672		

Seq. No.	15863	Seq. ID	OJ990917_20.9B16.C27
Gene No.	33590	Strand	+
Start	1	End	682
Name	OJ990917_20.9B16.C27.o1.gp	Method	AAT/GAP
Start	1	End	682
GI	237_1.R1084	Score	629
Exons	1..132, 220..348, 576..682		
GI Descrip.	'1705734/sp\|P53683\|CDP2_ORYSA 0.0e+00 CALCIUM-DEPENDENT PROTEIN KINASE, ISOFORM 2 (CDPK 2) >gi_1362176_pir__S56652 probable calcium-dependent protein kinase (clone OSCPK2) - rice >gi_587498_emb_CAA57157_ (X81394) calcium-dependent protein kinase [Oryza sativa]'		

Seq. No.	15863	Seq. ID	OJ990917_20.9B16.C27
Gene No.	33590	Strand	+
Start	1	End	682
Name	OJ990917_20.9B16.C27.o1.gs	Method	GENSCAN
Start	25	End	303
GI	none	Score	.6
Exons	25..132, 220..303		

Seq. No.	15864	Seq. ID	OJ990917_20.9B16.C28
Gene No.	33591	Strand	-
Start	1	End	207
Name	OJ990917_20.9B16.C28.o1.gp	Method	AAT/GAP
Start	1	End	207
GI	3760511	Score	394
Exons	1..207		

Seq. No.	15865	Seq. ID	OJ990617_14.9B23.C1
Gene No.	33592	Strand	-
Start	564	End	962
Name	OJ990617_14.9B23.C1.o1.np	Method	AAT/NAP

Start	564	End	962
GI	6598511	Score	191
Exons	564..670, 869..962		
GI Descrip.	(AC006069) unknown protein [Arabidopsis thaliana]		

Seq. No.	15866	Seq. ID	OJ990617_14.9B23.C2
Gene No.	33593	Strand	-
Start	1	End	362
Name	OJ990617_14.9B23.C2.o1.np	Method	AAT/NAP
Start	1	End	362
GI	6598511	Score	186
Exons	1..92, 273..362		
GI Descrip.	(AC006069) unknown protein [Arabidopsis thaliana]		

Seq. No.	15866	Seq. ID	OJ990617_14.9B23.C2
Gene No.	33593	Strand	-
Start	1	End	362
Name	OJ990617_14.9B23.C2.o1.gs	Method	GENSCAN
Start	23	End	362
GI	none	Score	.85
Exons	23..92, 273..362		

Seq. No.	15867	Seq. ID	OJ990617_14.9B23.C3
Gene No.	33594	Strand	+
Start	306	End	1671
Name	OJ990617_14.9B23.C3.o1.gs	Method	GENSCAN
Start	306	End	1671
GI	none	Score	.73
Exons	306..504, 648..672, 840..1078, 1096..1326, 1332..1381, 1420..1671		

Seq. No.	15867	Seq. ID	OJ990617_14.9B23.C3
Gene No.	33594	Strand	+
Start	306	End	1671
Name	OJ990617_14.9B23.C3.o1.np	Method	AAT/NAP
Start	760	End	1145
GI	5091497	Score	176
Exons	760..1145		
GI Descrip.	(AB023482) Similar to Arabidopsis thaliana mRNA for DREB1B, complete cds.(AB007788) [Oryza sativa]		

Seq. No.	15868	Seq. ID	OJ990617_14.9B23.C4
Gene No.	33595	Strand	+
Start	288	End	422
Name	OJ990617_14.9B23.C4.o1.gs	Method	GENSCAN
Start	288	End	422
GI	none	Score	.8
Exons	288..422		

Seq. No.	15869	Seq. ID	OJ990617_14.9B23.C5
Gene No.	33596	Strand	+
Start	529	End	2267
Name	OJ990617_14.9B23.C5.o1.gp	Method	AAT/GAP
Start	529	End	1161
GI	LIB3433-025-P1-K1-A10	Score	583
Exons	529..792, 1074..1161		
GI Descrip.	'2605623/dbj\|BAA23340\| 1.0e-119 (D88620) OSMYB4 [Oryza sativa]'		

Seq. No.	15869	Seq. ID	OJ990617_14.9B23.C5
Gene No.	33596	Strand	+
Start	529	End	2267
Name	OJ990617_14.9B23.C5.o1.gs	Method	GENSCAN
Start	588	End	2267
GI	none	Score	.77
Exons	588..792, 1074..1273, 1638..1848, 1942..2095, 2216..2267		

Seq. No.	15869	Seq. ID	OJ990617_14.9B23.C5
Gene No.	33596	Strand	+
Start	529	End	2267
Name	OJ990617_14.9B23.C5.o1.np	Method	AAT/NAP
Start	643	End	2096
GI	6692689	Score	248
Exons	643..792, 1074..1273, 1638..2096		
GI Descrip.	(AC007592) F12K11.16 [Arabidopsis thaliana]		

Seq. No.	15869	Seq. ID	OJ990617_14.9B23.C5
Gene No.	33597	Strand	+
Start	3123	End	3566
Name	OJ990617_14.9B23.C5.o2.gp	Method	AAT/GAP
Start	3123	End	3566
GI	2443115	Score	860
Exons	3123..3566		
GI Descrip.	5817002/emb\|CAB53657.1\| 2.0e-20 (AL110123) potassium channel-like protein [Arabidopsis thaliana]		

Seq. No.	15869	Seq. ID	OJ990617_14.9B23.C5
Gene No.	33598	Strand	+
Start	6609	End	6686
Name	OJ990617_14.9B23.C5.o3.np	Method	AAT/NAP
Start	6609	End	6686
GI	6630699	Score	73
Exons	6609..6686		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	15869	Seq. ID	OJ990617_14.9B23.C5
Gene No.	33599	Strand	+
Start	6813	End	8931
Name	OJ990617_14.9B23.C5.o4.np	Method	AAT/NAP
Start	6813	End	8803
GI	6539570	Score	68
Exons	6813..7042, 8770..8803		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	15869	Seq. ID	OJ990617_14.9B23.C5
Gene No.	33599	Strand	+
Start	6813	End	8931
Name	OJ990617_14.9B23.C5.o6.np	Method	AAT/NAP
Start	7031	End	8931
GI	6069659	Score	108
Exons	7031..7092, 8555..8689, 8902..8931		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	15869	Seq. ID	OJ990617_14.9B23.C5
Gene No.	33599	Strand	+
Start	6813	End	8931
Name	OJ990617_14.9B23.C5.o5.np	Method	AAT/NAP
Start	7874	End	8931
GI	6907088	Score	554
Exons	7874..8011, 8187..8424, 8892..8931		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	15869	Seq. ID	OJ990617_14.9B23.C5
Gene No.	33600	Strand	-
Start	2696	End	3999
Name	OJ990617_14.9B23.C5.o2.np	Method	AAT/NAP
Start	2696	End	3999
GI	5817002	Score	596
Exons	2696..2847, 3285..3999		
GI Descrip.	(AL110123) potassium channel-like protein [Arabidopsis thaliana]		

Seq. No.	15869	Seq. ID	OJ990617_14.9B23.C5
Gene No.	33601	Strand	-
Start	7032	End	7527
Name	OJ990617_14.9B23.C5.o1.tm	Method	TBLASTX:Maize
Start	688	End	1279
GI	none	Score	37
Exons	688..711, 708..791, 1072..1275, 1073..1279		

Seq. No.	15869	Seq. ID	OJ990617_14.9B23.C5
Gene No.	33601	Strand	-
Start	7032	End	7527
Name	OJ990617_14.9B23.C5.o2.tc	Method	TBLASTX:Cress
Start	1072	End	1279
GI	none	Score	212
Exons	1072..1272, 1073..1279		

Seq. No.	15869	Seq. ID	OJ990617_14.9B23.C5
Gene No.	33601	Strand	-
Start	7032	End	7527
Name	OJ990617_14.9B23.C5.o1.tc	Method	TBLASTX:Cress
Start	2715	End	3988
GI	none	Score	73
Exons	2715..2840, 2715..2843, 3311..3685, 3449..3538, 3707..3988		

Seq. No.	15869	Seq. ID	OJ990617_14.9B23.C5
Gene No.	33601	Strand	-
Start	7032	End	7527
Name	OJ990617_14.9B23.C5.o2.tm	Method	TBLASTX:Maize
Start	2718	End	3853
GI	none	Score	83
Exons	2718..2843, 3311..3574, 3689..3853		

Seq. No.	15869	Seq. ID	OJ990617_14.9B23.C5
Gene No.	33601	Strand	-
Start	7032	End	7527
Name	OJ990617_14.9B23.C5.o1.ts	Method	TBLASTX:Soybean
Start	3332	End	3889
GI	none	Score	157
Exons	3332..3667, 3345..3623, 3782..3889		

Seq. No.	15869	Seq. ID	OJ990617_14.9B23.C5
Gene No.	33601	Strand	-
Start	7032	End	7527
Name	OJ990617_14.9B23.C5.o3.gp	Method	AAT/GAP
Start	7032	End	7527
GI	38782_1.R1084	Score	781
Exons	7032..7527		
GI Descrip.	'6069643/dbj\|AP000616.1\|AP000616 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12'		

Seq. No.	15870	Seq. ID	OJ990617_14.9B23.C7
Gene No.	33602	Strand	-
Start	1	End	564
Name	OJ990617_14.9B23.C7.o1.np	Method	AAT/NAP
Start	1	End	564
GI	3377509	Score	54
Exons	1..63, 271..401, 504..564		
GI Descrip.	(AF056027) auxin transport protein REH1 [Oryza sativa]		

Seq. No.	15870	Seq. ID	OJ990617_14.9B23.C7
Gene No.	33602	Strand	-
Start	1	End	564
Name	OJ990617_14.9B23.C7.o1.gs	Method	GENSCAN
Start	224	End	401
GI	none	Score	.58
Exons	224..401		

Seq. No.	15871	Seq. ID	OJ990617_14.9B23.C8
Gene No.	33603	Strand	+
Start	1	End	693
Name	OJ990617_14.9B23.C8.o1.np	Method	AAT/NAP
Start	1	End	687
GI	6850873	Score	224
Exons	1..687		
GI Descrip.	(AL132959) putative protein [Arabidopsis thaliana]		

Seq. No.	15871	Seq. ID	OJ990617_14.9B23.C8
Gene No.	33603	Strand	+
Start	1	End	693
Name	OJ990617_14.9B23.C8.o1.gs	Method	GENSCAN
Start	55	End	693
GI	none	Score	.99
Exons	55..693		

Seq. No.	15872	Seq. ID	OJ990617_14.9B23.C9
Gene No.	33604	Strand	+
Start	317	End	406
Name	OJ990617_14.9B23.C9.o1.gp	Method	AAT/GAP
Start	317	End	406
GI	LIB3433-025-P1-K1-A10	Score	159
Exons	317..406		
GI Descrip.	'2605623/dbj\|BAA23340\| 1.0e-119 (D88620) OSMYB4 [Oryza sativa]'		

Seq. No.	15872	Seq. ID	OJ990617_14.9B23.C9
Gene No.	33605	Strand	-
Start	1	End	409

Name	OJ990617_14.9B23.C9.o1.np	Method	AAT/NAP
Start	1	End	409
GI	6692689	Score	104
Exons	1..84, 188..409		
GI Descrip.	(AC007592) F12K11.16 [Arabidopsis thaliana]		

Seq. No.	15872	Seq. ID	OJ990617_14.9B23.C9
Gene No.	33605	Strand	-
Start	1	End	409
Name	OJ990617_14.9B23.C9.o1.tm	Method	TBLASTX:Maize
Start	178	End	408
GI	none	Score	87
Exons	178..285, 182..286, 186..299, 268..408, 322..405		

Seq. No.	15873	Seq. ID	OJ990617_14.9B23.C10
Gene No.	33606	Strand	-
Start	497	End	1522
Name	OJ990617_14.9B23.C10.o1.gs	Method	GENSCAN
Start	497	End	1419
GI	none	Score	.71
Exons	497..606, 920..1419		

Seq. No.	15873	Seq. ID	OJ990617_14.9B23.C10
Gene No.	33606	Strand	-
Start	497	End	1522
Name	OJ990617_14.9B23.C10.o1.gp	Method	AAT/GAP
Start	747	End	1419
GI	2605622	Score	1346
Exons	747..1419		
GI Descrip.	2605623/dbj\|BAA23340\| 1.0e-119 (D88620) OSMYB4 [Oryza sativa]		

Seq. No.	15873	Seq. ID	OJ990617_14.9B23.C10
Gene No.	33606	Strand	-
Start	497	End	1522
Name	OJ990617_14.9B23.C10.o1.np	Method	AAT/NAP
Start	882	End	1522
GI	2605623	Score	932
Exons	882..1422, 1470..1522		
GI Descrip.	(D88620) OSMYB4 [Oryza sativa]		

Seq. No.	15873	Seq. ID	OJ990617_14.9B23.C10
Gene No.	33606	Strand	-
Start	497	End	1522
Name	OJ990617_14.9B23.C10.o1.tm	Method	TBLASTX:Maize
Start	1291	End	1439
GI	none	Score	139
Exons	1291..1419, 1293..1424, 1300..1422, 1314..1439		

Seq. No.	15873	Seq. ID	OJ990617_14.9B23.C10
Gene No.	33606	Strand	-
Start	497	End	1522
Name	OJ990617_14.9B23.C10.o1.tc	Method	TBLASTX:Cress
Start	1296	End	1437
GI	none	Score	133
Exons	1296..1421, 1300..1437		

Seq. No.	15873	Seq. ID	OJ990617_14.9B23.C10

Gene No.	33606	Strand	-
Start	497	End	1522
Name	OJ990617_14.9B23.C10.o1.ts	Method	TBLASTX:Soybean
Start	1296	End	1422
GI	none	Score	124
Exons	1296..1421, 1300..1422		

Seq. No.	15873	Seq. ID	OJ990617_14.9B23.C10
Gene No.	33606	Strand	-
Start	497	End	1522
Name	OJ990617_14.9B23.C10.o1.tw	Method	TBLASTX:Wheat
Start	1305	End	1422
GI	none	Score	127
Exons	1305..1421, 1306..1422		

Seq. No.	15874	Seq. ID	OJ990617_14.9B23.C11
Gene No.	33607	Strand	+
Start	31	End	3105
Name	OJ990617_14.9B23.C11.o1.gs	Method	GENSCAN
Start	31	End	3105
GI	none	Score	.7
Exons	31..207, 241..449, 1528..1663, 2030..2315, 2987..3105		

Seq. No.	15874	Seq. ID	OJ990617_14.9B23.C11
Gene No.	33608	Strand	+
Start	3363	End	7408
Name	OJ990617_14.9B23.C11.o1.np	Method	AAT/NAP
Start	3321	End	7408
GI	3522943	Score	1659
Exons	3321..3623, 3713..3773, 4621..4796, 5073..5294, 5393..5631, 6445..6970, 7062..7408		
GI Descrip.	(AC004411) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	15874	Seq. ID	OJ990617_14.9B23.C11
Gene No.	33608	Strand	+
Start	3363	End	7408
Name	OJ990617_14.9B23.C11.o2.gs	Method	GENSCAN
Start	3363	End	7340
GI	none	Score	.87
Exons	3363..3632, 3719..3773, 4621..4796, 5073..5294, 5393..5631, 6445..6970, 7062..7340		

Seq. No.	15874	Seq. ID	OJ990617_14.9B23.C11
Gene No.	33608	Strand	+
Start	3363	End	7408
Name	OJ990617_14.9B23.C11.o1.tc	Method	TBLASTX:Cress
Start	3449	End	7337
GI	none	Score	107
Exons	3449..3592, 3450..3593, 4562..4804, 4620..4805, 4629..4718, 5075..5188, 5240..5296, 5393..5620, 5393..5566, 6431..6967, 6569..7009, 6604..6888, 6610..6966, 6674..6967, 7059..7337, 7059..7337, 7061..7336, 7061..7336		

Seq. No.	15874	Seq. ID	OJ990617_14.9B23.C11
Gene No.	33608	Strand	+
Start	3363	End	7408
Name	OJ990617_14.9B23.C11.o3.ts	Method	TBLASTX:Soybean

Start	5390	End	5659
GI	none	Score	233
Exons	5390..5659, 5473..5622		

Seq. No.	15874	Seq. ID	OJ990617_14.9B23.C11
Gene No.	33608	Strand	+
Start	3363	End	7408
Name	OJ990617_14.9B23.C11.o2.tm	Method	TBLASTX:Maize
Start	5452	End	6493
GI	none	Score	237
Exons	5452..5628, 5453..5629, 6446..6493		

Seq. No.	15874	Seq. ID	OJ990617_14.9B23.C11
Gene No.	33608	Strand	+
Start	3363	End	7408
Name	OJ990617_14.9B23.C11.o1.ts	Method	TBLASTX:Soybean
Start	6449	End	6970
GI	none	Score	615
Exons	6449..6967, 6452..6544, 6504..6653, 6505..6966, 6611..6970		

Seq. No.	15874	Seq. ID	OJ990617_14.9B23.C11
Gene No.	33608	Strand	+
Start	3363	End	7408
Name	OJ990617_14.9B23.C11.o1.tm	Method	TBLASTX:Maize
Start	6494	End	7345
GI	none	Score	543
Exons	6494..6967, 6502..6966, 7059..7337, 7059..7337, 7061..7345		

Seq. No.	15874	Seq. ID	OJ990617_14.9B23.C11
Gene No.	33608	Strand	+
Start	3363	End	7408
Name	OJ990617_14.9B23.C11.o2.ts	Method	TBLASTX:Soybean
Start	7059	End	7340
GI	none	Score	349
Exons	7059..7337, 7059..7340		

Seq. No.	15874	Seq. ID	OJ990617_14.9B23.C11
Gene No.	33608	Strand	+
Start	3363	End	7408
Name	OJ990617_14.9B23.C11.o1.tw	Method	TBLASTX:Wheat
Start	7070	End	7322
GI	none	Score	297
Exons	7070..7318, 7071..7322		

Seq. No.	15875	Seq. ID	OJ990617_14.9B23.C12
Gene No.	33609	Strand	+
Start	1	End	4774
Name	OJ990617_14.9B23.C12.o1.np	Method	AAT/NAP
Start	1	End	3042
GI	6899925	Score	2120
Exons	1..357, 456..1074, 1168..1396, 1523..1777, 1866..2128, 2398..3042		
GI Descrip.	(AL138651) P-glycoprotein-like proetin [Arabidopsis thaliana]		

Seq. No.	15875	Seq. ID	OJ990617_14.9B23.C12
Gene No.	33609	Strand	+
Start	1	End	4774

Name	OJ990617_14.9B23.C12.o2.ts	Method	TBLASTX:Soybean
Start	80	End	2985
GI	none	Score	143
Exons	80..178, 81..179, 169..225, 176..238, 177..356, 2614..2787, 2616..2783, 2656..2784, 2785..2985, 2865..2984		

Seq. No.	15875	Seq. ID	OJ990617_14.9B23.C12
Gene No.	33609	Strand	+
Start	1	End	4774
Name	OJ990617_14.9B23.C12.o1.tm	Method	TBLASTX:Maize
Start	81	End	3050
GI	none	Score	368
Exons	81..359, 81..329, 83..358, 455..514, 905..1072, 1151..1405, 1165..1389, 1508..1624, 1513..1683, 1514..1780, 1717..1779, 1896..1937, 1931..2128, 1936..2109, 2395..3030, 2397..3050		

Seq. No.	15875	Seq. ID	OJ990617_14.9B23.C12
Gene No.	33609	Strand	+
Start	1	End	4774
Name	OJ990617_14.9B23.C12.o1.tc	Method	TBLASTX:Cress
Start	81	End	3039
GI	none	Score	341
Exons	81..359, 81..359, 83..358, 83..358, 455..541, 701..1072, 1166..1381, 1166..1351, 1505..1777, 1936..2127, 2009..2131, 2018..2128, 2352..2480, 2370..2642, 2395..2655, 2397..2609, 2401..2631, 2616..3002, 2617..3036, 2623..3039, 2631..3005		

Seq. No.	15875	Seq. ID	OJ990617_14.9B23.C12
Gene No.	33609	Strand	+
Start	1	End	4774
Name	OJ990617_14.9B23.C12.o1.gs	Method	GENSCAN
Start	84	End	4742
GI	none	Score	.65
Exons	84..357, 456..713, 1221..1396, 2398..2998, 3767..4742		

Seq. No.	15875	Seq. ID	OJ990617_14.9B23.C12
Gene No.	33609	Strand	+
Start	1	End	4774
Name	OJ990617_14.9B23.C12.o1.tw	Method	TBLASTX:Wheat
Start	92	End	2952
GI	none	Score	297
Exons	92..340, 93..344, 2700..2948, 2710..2952		

Seq. No.	15875	Seq. ID	OJ990617_14.9B23.C12
Gene No.	33609	Strand	+
Start	1	End	4774
Name	OJ990617_14.9B23.C12.o3.tm	Method	TBLASTX:Maize
Start	725	End	904
GI	none	Score	188
Exons	725..904, 733..903		

Seq. No.	15875	Seq. ID	OJ990617_14.9B23.C12
Gene No.	33609	Strand	+
Start	1	End	4774
Name	OJ990617_14.9B23.C12.o1.ts	Method	TBLASTX:Soybean
Start	728	End	2597
GI	none	Score	206

Exons	728..928, 733..927, 935..1072, 968..1060, 1165..1389, 1166..1405, 1491..1625, 1508..1621, 1513..1683, 1514..1780, 1842..1910, 1843..1926, 1930..2121, 2009..2128, 2395..2595, 2397..2597		
Seq. No.	15875	Seq. ID	OJ990617_14.9B23.C12
Gene No.	33609	Strand	+
Start	1	End	4774
Name	OJ990617_14.9B23.C12.o1.gp	Method	AAT/GAP
Start	2733	End	3215
GI	4715477	Score	860
Exons	2733..3215		
GI Descrip.	3522943/gb\|AAC34225.1\| 2.0e-32 (AC004411) putative p-glycoprotein [Arabidopsis thaliana]		
Seq. No.	15875	Seq. ID	OJ990617_14.9B23.C12
Gene No.	33609	Strand	+
Start	1	End	4774
Name	OJ990617_14.9B23.C12.o2.np	Method	AAT/NAP
Start	3787	End	4774
GI	5295971	Score	1565
Exons	3787..4774		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777). [Oryza sativa]		
Seq. No.	15875	Seq. ID	OJ990617_14.9B23.C12
Gene No.	33609	Strand	+
Start	1	End	4774
Name	OJ990617_14.9B23.C12.o2.tm	Method	TBLASTX:Maize
Start	4176	End	4470
GI	none	Score	349
Exons	4176..4208, 4179..4418, 4180..4470, 4243..4470		
Seq. No.	15876	Seq. ID	OJ990617_14.9B23.C13
Gene No.	33610	Strand	+
Start	1	End	3583
Name	OJ990617_14.9B23.C13.o1.np	Method	AAT/NAP
Start	1	End	3583
GI	5295971	Score	1910
Exons	1..1243, 3537..3583		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		
Seq. No.	15876	Seq. ID	OJ990617_14.9B23.C13
Gene No.	33611	Strand	-
Start	2788	End	3387
Name	OJ990617_14.9B23.C13.o2.tm	Method	TBLASTX:Maize
Start	1	End	278
GI	none	Score	167
Exons	1..177, 1..246, 3..278, 3..278		
Seq. No.	15876	Seq. ID	OJ990617_14.9B23.C13
Gene No.	33611	Strand	-
Start	2788	End	3387
Name	OJ990617_14.9B23.C13.o1.tw	Method	TBLASTX:Wheat

Start	203	End	656
GI	none	Score	342
Exons	203..508, 204..569, 207..584,	564..656,	576..656

Seq. No.	15876	Seq. ID	OJ990617_14.9B23.C13
Gene No.	33611	Strand	-
Start	2788	End	3387
Name	OJ990617_14.9B23.C13.o3.tm	Method	TBLASTX:Maize
Start	293	End	533
GI	none	Score	309
Exons	293..532, 294..533		

Seq. No.	15876	Seq. ID	OJ990617_14.9B23.C13
Gene No.	33611	Strand	-
Start	2788	End	3387
Name	OJ990617_14.9B23.C13.o2.ts	Method	TBLASTX:Soybean
Start	594	End	869
GI	none	Score	195
Exons	594..869, 690..770		

Seq. No.	15876	Seq. ID	OJ990617_14.9B23.C13
Gene No.	33611	Strand	-
Start	2788	End	3387
Name	OJ990617_14.9B23.C13.o2.tw	Method	TBLASTX:Wheat
Start	729	End	1136
GI	none	Score	111
Exons	729..869, 927..1136, 944..1093		

Seq. No.	15876	Seq. ID	OJ990617_14.9B23.C13
Gene No.	33611	Strand	-
Start	2788	End	3387
Name	OJ990617_14.9B23.C13.o1.tm	Method	TBLASTX:Maize
Start	932	End	1139
GI	none	Score	328
Exons	932..1138, 936..1139, 963..1139		

Seq. No.	15876	Seq. ID	OJ990617_14.9B23.C13
Gene No.	33611	Strand	-
Start	2788	End	3387
Name	OJ990617_14.9B23.C13.o1.ts	Method	TBLASTX:Soybean
Start	963	End	1139
GI	none	Score	198
Exons	963..1139, 968..1138		

Seq. No.	15876	Seq. ID	OJ990617_14.9B23.C13
Gene No.	33611	Strand	-
Start	2788	End	3387
Name	OJ990617_14.9B23.C13.o2.gs	Method	GENSCAN
Start	2788	End	3387
GI	none	Score	1
Exons	2788..3387		

Seq. No.	15877	Seq. ID	OJ990617_14.9B23.C14
Gene No.	33612	Strand	-
Start	179	End	1667
Name	OJ990617_14.9B23.C14.o1.np	Method	AAT/NAP
Start	179	End	1667

GI	3522943	Score	1032
Exons	179..826, 1232..1495, 1578..1667		
GI Descrip.	(AC004411) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	15877	Seq. ID	OJ990617_14.9B23.C14
Gene No.	33612	Strand	-
Start	179	End	1667
Name	OJ990617_14.9B23.C14.o1.ts	Method	TBLASTX:Soybean
Start	182	End	833
GI	none	Score	98
Exons	182..226, 243..440, 250..441, 344..445, 438..614, 439..552, 567..713, 619..702, 707..829, 720..833		

Seq. No.	15877	Seq. ID	OJ990617_14.9B23.C14
Gene No.	33612	Strand	-
Start	179	End	1667
Name	OJ990617_14.9B23.C14.o1.tm	Method	TBLASTX:Maize
Start	191	End	1664
GI	none	Score	233
Exons	191..244, 243..713, 250..534, 601..696, 713..829, 720..827, 722..829, 729..833, 1232..1498, 1233..1466, 1575..1664		

Seq. No.	15877	Seq. ID	OJ990617_14.9B23.C14
Gene No.	33612	Strand	-
Start	179	End	1667
Name	OJ990617_14.9B23.C14.o1.tc	Method	TBLASTX:Cress
Start	243	End	1483
GI	none	Score	93
Exons	243..614, 249..542, 252..602, 259..543, 259..552, 396..566, 588..713, 594..713, 610..714, 616..702, 704..829, 704..823, 711..821, 720..827, 729..827, 1229..1483, 1232..1342, 1233..1343, 1233..1424		

Seq. No.	15877	Seq. ID	OJ990617_14.9B23.C14
Gene No.	33612	Strand	-
Start	179	End	1667
Name	OJ990617_14.9B23.C14.o1.tw	Method	TBLASTX:Wheat
Start	276	End	524
GI	none	Score	186
Exons	276..524, 277..516		

Seq. No.	15877	Seq. ID	OJ990617_14.9B23.C14
Gene No.	33612	Strand	-
Start	179	End	1667
Name	OJ990617_14.9B23.C14.o1.gs	Method	GENSCAN
Start	357	End	1444
GI	none	Score	.65
Exons	357..533, 1232..1444		

Seq. No.	15877	Seq. ID	OJ990617_14.9B23.C14
Gene No.	33612	Strand	-
Start	179	End	1667
Name	OJ990617_14.9B23.C14.o2.ts	Method	TBLASTX:Soybean
Start	1232	End	1664
GI	none	Score	156
Exons	1232..1498, 1236..1466, 1400..1543, 1575..1664		

Seq. No.	15878	Seq. ID	OJ990617_14.9B23.C15
Gene No.	33613	Strand	-
Start	203	End	1024
Name	OJ990617_14.9B23.C15.o1.gs	Method	GENSCAN
Start	203	End	815
GI	none	Score	.42
Exons	203..466, 549..815		

Seq. No.	15878	Seq. ID	OJ990617_14.9B23.C15
Gene No.	33613	Strand	-
Start	203	End	1024
Name	OJ990617_14.9B23.C15.o1.tc	Method	TBLASTX:Cress
Start	203	End	469
GI	none	Score	126
Exons	203..469, 207..434		

Seq. No.	15878	Seq. ID	OJ990617_14.9B23.C15
Gene No.	33613	Strand	-
Start	203	End	1024
Name	OJ990617_14.9B23.C15.o1.ts	Method	TBLASTX:Soybean
Start	203	End	818
GI	none	Score	156
Exons	203..469, 207..437, 546..818, 547..813, 690..818		

Seq. No.	15878	Seq. ID	OJ990617_14.9B23.C15
Gene No.	33613	Strand	-
Start	203	End	1024
Name	OJ990617_14.9B23.C15.o1.np	Method	AAT/NAP
Start	203	End	1024
GI	3522943	Score	421
Exons	203..466, 549..812, 1002..1024		
GI Descrip.	(AC004411) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	15878	Seq. ID	OJ990617_14.9B23.C15
Gene No.	33613	Strand	-
Start	203	End	1024
Name	OJ990617_14.9B23.C15.o1.tm	Method	TBLASTX:Maize
Start	257	End	786
GI	none	Score	147
Exons	257..469, 261..437, 264..476, 537..779, 546..785, 547..786		

Seq. No.	15879	Seq. ID	OJ990617_14.9B23.C16
Gene No.	33614	Strand	-
Start	1	End	1252
Name	OJ990617_14.9B23.C16.o1.np	Method	AAT/NAP
Start	1	End	1252
GI	3522943	Score	740
Exons	1..112, 198..837, 944..1252		
GI Descrip.	(AC004411) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	15879	Seq. ID	OJ990617_14.9B23.C16
Gene No.	33614	Strand	-
Start	1	End	1252
Name	OJ990617_14.9B23.C16.o1.gs	Method	GENSCAN
Start	198	End	1205
GI	none	Score	.72
Exons	198..837, 944..1205		

Seq. No.	15879	Seq. ID	OJ990617_14.9B23.C16
Gene No.	33614	Strand	-
Start	1	End	1252
Name	OJ990617_14.9B23.C16.o2.ts	Method	TBLASTX:Soybean
Start	200	End	544
GI	none	Score	87
Exons	200..307, 338..544, 351..539		

Seq. No.	15879	Seq. ID	OJ990617_14.9B23.C16
Gene No.	33614	Strand	-
Start	1	End	1252
Name	OJ990617_14.9B23.C16.o1.tc	Method	TBLASTX:Cress
Start	212	End	1214
GI	none	Score	41
Exons	212..544, 770..832, 770..838, 773..838, 940..1032, 942..1214, 942..1214, 943..1212, 972..1199, 1099..1209		

Seq. No.	15879	Seq. ID	OJ990617_14.9B23.C16
Gene No.	33614	Strand	-
Start	1	End	1252
Name	OJ990617_14.9B23.C16.o2.tm	Method	TBLASTX:Maize
Start	293	End	544
GI	none	Score	97
Exons	293..544, 354..539		

Seq. No.	15879	Seq. ID	OJ990617_14.9B23.C16
Gene No.	33614	Strand	-
Start	1	End	1252
Name	OJ990617_14.9B23.C16.o1.gp	Method	AAT/GAP
Start	363	End	830
GI	LIB3432-043-P1-K1-B3	Score	880
Exons	363..830		
GI Descrip.	'5816991/emb\|CAB53646.1\| 4.0e-18 (AL110123) multidrug resistance protein/P-glycoprotein-like [Arabidopsis thaliana]'		

Seq. No.	15879	Seq. ID	OJ990617_14.9B23.C16
Gene No.	33614	Strand	-
Start	1	End	1252
Name	OJ990617_14.9B23.C16.o1.tm	Method	TBLASTX:Maize
Start	761	End	1214
GI	none	Score	205
Exons	761..838, 942..1214, 943..1212		

Seq. No.	15879	Seq. ID	OJ990617_14.9B23.C16
Gene No.	33614	Strand	-
Start	1	End	1252
Name	OJ990617_14.9B23.C16.o1.ts	Method	TBLASTX:Soybean
Start	767	End	1220
GI	none	Score	145
Exons	767..838, 940..1209, 942..1214, 1017..1220		

Seq. No.	15879	Seq. ID	OJ990617_14.9B23.C16
Gene No.	33614	Strand	-
Start	1	End	1252
Name	OJ990617_14.9B23.C16.o1.tw	Method	TBLASTX:Wheat
Start	957	End	1208

GI	none	Score	133
Exons	957..1208, 970..1191		

Seq. No.	15880	Seq. ID	OJ990617_14.9B23.C17
Gene No.	33615	Strand	-
Start	1	End	5515
Name	OJ990617_14.9B23.C17.o1.np	Method	AAT/NAP
Start	1	End	4203
GI	3522943	Score	929
Exons	1..354, 985..1223, 1333..1554, 2157..2332, 2990..3044, 4183..4203		
GI Descrip.	(AC004411) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	15880	Seq. ID	OJ990617_14.9B23.C17
Gene No.	33615	Strand	-
Start	1	End	5515
Name	OJ990617_14.9B23.C17.o1.tc	Method	TBLASTX:Cress
Start	3	End	401
GI	none	Score	139
Exons	3..401, 4..279		

Seq. No.	15880	Seq. ID	OJ990617_14.9B23.C17
Gene No.	33615	Strand	-
Start	1	End	5515
Name	OJ990617_14.9B23.C17.o1.tm	Method	TBLASTX:Maize
Start	6	End	305
GI	none	Score	236
Exons	6..305, 7..303		

Seq. No.	15880	Seq. ID	OJ990617_14.9B23.C17
Gene No.	33615	Strand	-
Start	1	End	5515
Name	OJ990617_14.9B23.C17.o1.ts	Method	TBLASTX:Soybean
Start	6	End	350
GI	none	Score	129
Exons	6..350, 12..266, 13..348		

Seq. No.	15880	Seq. ID	OJ990617_14.9B23.C17
Gene No.	33615	Strand	-
Start	1	End	5515
Name	OJ990617_14.9B23.C17.o1.gs	Method	GENSCAN
Start	89	End	5515
GI	none	Score	.61
Exons	89..354, 985..1086, 1333..1427, 2157..2332, 2990..3061, 4463..4575, 4672..4850, 5289..5392, 5407..5515		

Seq. No.	15880	Seq. ID	OJ990617_14.9B23.C17
Gene No.	33615	Strand	-
Start	1	End	5515
Name	OJ990617_14.9B23.C17.o2.ts	Method	TBLASTX:Soybean
Start	984	End	1226
GI	none	Score	201
Exons	984..1226		

Seq. No.	15881	Seq. ID	OJ990617_14.9B23.C18
Gene No.	33616	Strand	+
Start	1636	End	2017

Name	OJ990617_14.9B23.C18.o1.gs	Method	GENSCAN
Start	1636	End	2017
GI	none	Score	.78
Exons	1636..1726, 1842..2017		

Seq. No.	15882	Seq. ID	OJ990617_14.9B23.C19
Gene No.	33617	Strand	+
Start	2249	End	2734
Name	OJ990617_14.9B23.C19.o1.gs	Method	GENSCAN
Start	2249	End	2734
GI	none	Score	.85
Exons	2249..2255, 2664..2734		

Seq. No.	15882	Seq. ID	OJ990617_14.9B23.C19
Gene No.	33618	Strand	+
Start	5356	End	7000
Name	OJ990617_14.9B23.C19.o1.np	Method	AAT/NAP
Start	5356	End	7000
GI	5295951	Score	133
Exons	5356..5399, 6164..6342, 6910..7000		
GI Descrip.	(AB026295) Similar to Herpesvirus papio BRRF2 homolog gene, partial cds.(U23857) [Oryza sativa]		

Seq. No.	15882	Seq. ID	OJ990617_14.9B23.C19
Gene No.	33619	Strand	-
Start	6197	End	6802
Name	OJ990617_14.9B23.C19.o1.gp	Method	AAT/GAP
Start	5751	End	5850
GI	LIB3477-003-P1-K1-E9	Score	113
Exons	5751..5850		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	15882	Seq. ID	OJ990617_14.9B23.C19
Gene No.	33619	Strand	-
Start	6197	End	6802
Name	OJ990617_14.9B23.C19.o2.gs	Method	GENSCAN
Start	6197	End	6802
GI	none	Score	.68
Exons	6197..6414, 6721..6802		

Seq. No.	15883	Seq. ID	OJ990617_14.9B23.C20
Gene No.	33620	Strand	-
Start	15	End	590
Name	OJ990617_14.9B23.C20.o1.gs	Method	GENSCAN
Start	15	End	590
GI	none	Score	.67
Exons	15..235, 509..590		

Seq. No.	15884	Seq. ID	OJ990617_14.9B23.C23
Gene No.	33621	Strand	+
Start	238	End	340
Name	OJ990617_14.9B23.C23.o1.gs	Method	GENSCAN
Start	238	End	340
GI	none	Score	.63
Exons	238..340		

Seq. No.	15885	Seq. ID	OJ990617_14.9B23.C25
Gene No.	33622	Strand	+
Start	1	End	1034
Name	OJ990617_14.9B23.C25.o1.np	Method	AAT/NAP
Start	1	End	1028
GI	4263792	Score	272
Exons	1..99, 701..787, 864..1028		
GI Descrip.	(AC006068) unknown protein [Arabidopsis thaliana]		

Seq. No.	15885	Seq. ID	OJ990617_14.9B23.C25
Gene No.	33622	Strand	+
Start	1	End	1034
Name	OJ990617_14.9B23.C25.o1.gs	Method	GENSCAN
Start	433	End	1034
GI	none	Score	.52
Exons	433..531, 1002..1034		

Seq. No.	15885	Seq. ID	OJ990617_14.9B23.C25
Gene No.	33622	Strand	+
Start	1	End	1034
Name	OJ990617_14.9B23.C25.o1.ts	Method	TBLASTX:Soybean
Start	863	End	1028
GI	none	Score	111
Exons	863..1003, 869..1024, 870..1028, 876..1025		

Seq. No.	15885	Seq. ID	OJ990617_14.9B23.C25
Gene No.	33622	Strand	+
Start	1	End	1034
Name	OJ990617_14.9B23.C25.o1.tc	Method	TBLASTX:Cress
Start	863	End	1027
GI	none	Score	47
Exons	863..919, 869..922, 870..935, 938..1003, 938..1027, 939..1025		

Seq. No.	15886	Seq. ID	OJ990617_14.9B23.C27
Gene No.	33623	Strand	-
Start	58	End	264
Name	OJ990617_14.9B23.C27.o1.gs	Method	GENSCAN
Start	58	End	264
GI	none	Score	.87
Exons	58..264		

Seq. No.	15887	Seq. ID	OJ990617_14.9B23.C28
Gene No.	33624	Strand	+
Start	495	End	1957
Name	OJ990617_14.9B23.C28.o1.np	Method	AAT/NAP
Start	495	End	1957
GI	6907086	Score	1040
Exons	495..1255, 1316..1473, 1721..1957		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	15887	Seq. ID	OJ990617_14.9B23.C28
Gene No.	33624	Strand	+
Start	495	End	1957
Name	OJ990617_14.9B23.C28.o1.gs	Method	GENSCAN
Start	697	End	1230
GI	none	Score	1

Exons	697..1230		
Seq. No.	15888	Seq. ID	OJ990617_14.9B23.C29
Gene No.	33625	Strand	-
Start	465	End	601
Name	OJ990617_14.9B23.C29.o1.gs	Method	GENSCAN
Start	465	End	601
GI	none	Score	.78
Exons	465..601		
Seq. No.	15889	Seq. ID	OJ990617_14.9B23.C31
Gene No.	33626	Strand	+
Start	464	End	500
Name	OJ990617_14.9B23.C31.o1.gs	Method	GENSCAN
Start	464	End	500
GI	none	Score	.71
Exons	464..500		
Seq. No.	15890	Seq. ID	OJ990617_14.9B23.C32
Gene No.	33627	Strand	+
Start	3061	End	5120
Name	OJ990617_14.9B23.C32.o2.gp	Method	AAT/GAP
Start	3061	End	3463
GI	3760510	Score	744
Exons	3061..3463		
Seq. No.	15890	Seq. ID	OJ990617_14.9B23.C32
Gene No.	33627	Strand	+
Start	3061	End	5120
Name	OJ990617_14.9B23.C32.o2.np	Method	AAT/NAP
Start	3103	End	5120
GI	6358799	Score	818
Exons	3103..4773, 4804..5120		
GI Descrip.	(AC010675) unknown protein [Arabidopsis thaliana]		
Seq. No.	15890	Seq. ID	OJ990617_14.9B23.C32
Gene No.	33628	Strand	-
Start	58	End	181
Name	OJ990617_14.9B23.C32.o1.gp	Method	AAT/GAP
Start	58	End	181
GI	45844_1.R1084	Score	222
Exons	58..181		
GI Descrip.	'5816991/emb\|CAB53646.1\| 1.0e-35 (AL110123) multidrug resistance protein/P-glycoprotein-like [Arabidopsis thaliana]'		
Seq. No.	15890	Seq. ID	OJ990617_14.9B23.C32
Gene No.	33629	Strand	-
Start	560	End	1934
Name	OJ990617_14.9B23.C32.o1.gs	Method	GENSCAN
Start	560	End	1578
GI	none	Score	.68
Exons	560..772, 791..1058, 1148..1578		
Seq. No.	15890	Seq. ID	OJ990617_14.9B23.C32
Gene No.	33629	Strand	-
Start	560	End	1934
Name	OJ990617_14.9B23.C32.o1.np	Method	AAT/NAP

Start	560	End	1934
GI	6911873	Score	503
Exons	560..1471, 1810..1934		
GI Descrip.	(AL138655) putative protein [Arabidopsis thaliana]		

Seq. No.	15890	Seq. ID	OJ990617_14.9B23.C32
Gene No.	33629	Strand	-
Start	560	End	1934
Name	OJ990617_14.9B23.C32.o3.tm	Method	TBLASTX:Maize
Start	566	End	1434
GI	none	Score	73
Exons	566..637, 740..1081, 756..860, 1091..1147, 1162..1260, 1163..1270, 1357..1404, 1358..1408, 1408..1434		

Seq. No.	15890	Seq. ID	OJ990617_14.9B23.C32
Gene No.	33629	Strand	-
Start	560	End	1934
Name	OJ990617_14.9B23.C32.o3.ts	Method	TBLASTX:Soybean
Start	659	End	958
GI	none	Score	90
Exons	659..958, 699..947		

Seq. No.	15890	Seq. ID	OJ990617_14.9B23.C32
Gene No.	33629	Strand	-
Start	560	End	1934
Name	OJ990617_14.9B23.C32.o1.tc	Method	TBLASTX:Cress
Start	782	End	1461
GI	none	Score	46
Exons	782..1009, 786..860, 909..1010, 1043..1147, 1056..1130, 1162..1257, 1163..1258, 1363..1404, 1414..1461		

Seq. No.	15890	Seq. ID	OJ990617_14.9B23.C32
Gene No.	33629	Strand	-
Start	560	End	1934
Name	OJ990617_14.9B23.C32.o1.ts	Method	TBLASTX:Soybean
Start	983	End	1405
GI	none	Score	84
Exons	983..1147, 1162..1260, 1163..1273, 1312..1404, 1331..1405		

Seq. No.	15890	Seq. ID	OJ990617_14.9B23.C32
Gene No.	33630	Strand	
Start	3069	End	3397
Name	OJ990617_14.9B23.C32.o2.tm	Method	TBLASTX:Maize
Start	3069	End	3397
GI	none	Score	458
Exons	3069..3392, 3070..3393, 3077..3388, 3257..3397		

Seq. No.	15890	Seq. ID	OJ990617_14.9B23.C32
Gene No.	33631	Strand	
Start	3398	End	3926
Name	OJ990617_14.9B23.C32.o1.tm	Method	TBLASTX:Maize
Start	3398	End	3880
GI	none	Score	755
Exons	3398..3877, 3399..3878, 3401..3880		

Seq. No.	15890	Seq. ID	OJ990617_14.9B23.C32
Gene No.	33631	Strand	

Start	3398	End	3926
Name	OJ990617_14.9B23.C32.o2.ts	Method	TBLASTX:Soybean
Start	3477	End	3893
GI	none	Score	179
Exons	3477..3752, 3483..3701, 3759..3893		

Seq. No.	15890	Seq. ID	OJ990617_14.9B23.C32
Gene No.	33631	Strand	
Start	3398	End	3926
Name	OJ990617_14.9B23.C32.o2.tc	Method	TBLASTX:Cress
Start	3540	End	3926
GI	none	Score	142
Exons	3540..3752, 3753..3926		

Seq. No.	15890	Seq. ID	OJ990617_14.9B23.C32
Gene No.	33632	Strand	
Start	3926	End	5124
Name	OJ990617_14.9B23.C32.o1.tw	Method	TBLASTX:Wheat
Start	3926	End	4352
GI	none	Score	226
Exons	3926..4159, 3958..4158, 3999..4169, 4251..4352, 4257..4352		

Seq. No.	15890	Seq. ID	OJ990617_14.9B23.C32
Gene No.	33632	Strand	
Start	3926	End	5124
Name	OJ990617_14.9B23.C32.o6.tm	Method	TBLASTX:Maize
Start	4005	End	4633
GI	none	Score	79
Exons	4005..4148, 4155..4337, 4361..4399, 4365..4625, 4442..4633		

Seq. No.	15890	Seq. ID	OJ990617_14.9B23.C32
Gene No.	33632	Strand	
Start	3926	End	5124
Name	OJ990617_14.9B23.C32.o4.ts	Method	TBLASTX:Soybean
Start	4449	End	5111
GI	none	Score	111
Exons	4449..4655, 4460..4567, 4788..4883, 4820..4876, 4908..5006, 4910..5014, 5004..5111, 5055..5099		

Seq. No.	15890	Seq. ID	OJ990617_14.9B23.C32
Gene No.	33632	Strand	
Start	3926	End	5124
Name	OJ990617_14.9B23.C32.o5.tm	Method	TBLASTX:Maize
Start	4665	End	4886
GI	none	Score	308
Exons	4665..4886, 4665..4874, 4667..4885		

Seq. No.	15890	Seq. ID	OJ990617_14.9B23.C32
Gene No.	33632	Strand	
Start	3926	End	5124
Name	OJ990617_14.9B23.C32.o4.tm	Method	TBLASTX:Maize
Start	4887	End	5124
GI	none	Score	378
Exons	4887..5114, 4888..5124, 4889..5113		

Seq. No.	15891	Seq. ID	OJ990617_14.9B23.C33
Gene No.	33633	Strand	+

Start	1	End	654
Name	OJ990617_14.9B23.C33.o1.np	Method	AAT/NAP
Start	1	End	501
GI	6358799	Score	189
Exons	1..501		
GI Descrip.	(AC010675) unknown protein [Arabidopsis thaliana]		

Seq. No.	15891	Seq. ID	OJ990617_14.9B23.C33
Gene No.	33633	Strand	+
Start	1	End	654
Name	OJ990617_14.9B23.C33.o1.gs	Method	GENSCAN
Start	109	End	654
GI	none	Score	.47
Exons	109..496, 584..654		

Seq. No.	15891	Seq. ID	OJ990617_14.9B23.C33
Gene No.	33634	Strand	+
Start	584	End	1936
Name	OJ990617_14.9B23.C33.o1.gp	Method	AAT/GAP
Start	584	End	1936
GI	3760511	Score	662
Exons	584..654, 1648..1936		

Seq. No.	15891	Seq. ID	OJ990617_14.9B23.C33
Gene No.	33635	Strand	-
Start	1576	End	1677
Name	OJ990617_14.9B23.C33.o2.tm	Method	TBLASTX:Maize
Start	46	End	267
GI	none	Score	308
Exons	46..267, 46..255, 48..266		

Seq. No.	15891	Seq. ID	OJ990617_14.9B23.C33
Gene No.	33635	Strand	-
Start	1576	End	1677
Name	OJ990617_14.9B23.C33.o1.ts	Method	TBLASTX:Soybean
Start	169	End	492
GI	none	Score	102
Exons	169..264, 201..257, 289..387, 291..395, 385..492, 436..480		

Seq. No.	15891	Seq. ID	OJ990617_14.9B23.C33
Gene No.	33635	Strand	-
Start	1576	End	1677
Name	OJ990617_14.9B23.C33.o1.tm	Method	TBLASTX:Maize
Start	268	End	657
GI	none	Score	378
Exons	268..495, 270..494, 583..657, 583..657		

Seq. No.	15891	Seq. ID	OJ990617_14.9B23.C33
Gene No.	33635	Strand	-
Start	1576	End	1677
Name	OJ990617_14.9B23.C33.o2.gs	Method	GENSCAN
Start	1576	End	1677
GI	none	Score	.51
Exons	1576..1677		

Seq. No.	15892	Seq. ID	OJ990617_14.9B23.C34
Gene No.	33636	Strand	+

Start	1	End	682
Name	OJ990617_14.9B23.C34.o1.np	Method	AAT/NAP
Start	1	End	682
GI	3377509	Score	39
Exons	1..21, 283..421, 624..682		
GI Descrip.	(AF056027) auxin transport protein REH1 [Oryza sativa]		

Seq. No.	15892	Seq. ID	OJ990617_14.9B23.C34
Gene No.	33637	Strand	-
Start	210	End	393
Name	OJ990617_14.9B23.C34.o1.gs	Method	GENSCAN
Start	210	End	393
GI	none	Score	.6
Exons	210..393		

Seq. No.	15893	Seq. ID	OJ990617_14.9B23.C35
Gene No.	33638	Strand	+
Start	1	End	809
Name	OJ990617_14.9B23.C35.o1.np	Method	AAT/NAP
Start	1	End	809
GI	3522943	Score	478
Exons	1..574, 670..809		
GI Descrip.	(AC004411) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	15893	Seq. ID	OJ990617_14.9B23.C35
Gene No.	33638	Strand	+
Start	1	End	809
Name	OJ990617_14.9B23.C35.o1.tm	Method	TBLASTX:Maize
Start	96	End	479
GI	none	Score	75
Exons	96..203, 216..479, 224..457		

Seq. No.	15893	Seq. ID	OJ990617_14.9B23.C35
Gene No.	33638	Strand	+
Start	1	End	809
Name	OJ990617_14.9B23.C35.o1.gs	Method	GENSCAN
Start	154	End	751
GI	none	Score	.6
Exons	154..269, 626..751		

Seq. No.	15893	Seq. ID	OJ990617_14.9B23.C35
Gene No.	33638	Strand	+
Start	1	End	809
Name	OJ990617_14.9B23.C35.o1.ts	Method	TBLASTX:Soybean
Start	216	End	808
GI	none	Score	207
Exons	216..443, 242..427, 321..431, 438..572, 471..563, 539..574, 650..808, 651..704, 667..807		

Seq. No.	15893	Seq. ID	OJ990617_14.9B23.C35
Gene No.	33638	Strand	+
Start	1	End	809
Name	OJ990617_14.9B23.C35.o1.gp	Method	AAT/GAP
Start	325	End	809
GI	58845_1.R1084	Score	705
Exons	325..574, 670..809		
GI Descrip.	'2739309/emb\|CAA75922\| 4.0e-34 (Y15990) P-glycoprotein-like		

protein [Arabidopsis thaliana]'

Seq. No.	15893	Seq. ID	OJ990617_14.9B23.C35
Gene No.	33638	Strand	+
Start	1	End	809
Name	OJ990617_14.9B23.C35.o2.tm	Method	TBLASTX:Maize
Start	480	End	808
GI	none	Score	91
Exons	480..572, 650..808, 667..786		

Seq. No.	15894	Seq. ID	OJ990617_14.9B23.C36
Gene No.	33639	Strand	+
Start	1	End	508
Name	OJ990617_14.9B23.C36.o1.gp	Method	AAT/GAP
Start	1	End	369
GI	2309956	Score	387
Exons	1..50, 185..369		
GI Descrip.	5816991/emb\|CAB53646.1\| 1.0e-35 (AL110123) multidrug resistance protein/P-glycoprotein-like [Arabidopsis thaliana]		

Seq. No.	15894	Seq. ID	OJ990617_14.9B23.C36
Gene No.	33639	Strand	+
Start	1	End	508
Name	OJ990617_14.9B23.C36.o1.np	Method	AAT/NAP
Start	1	End	508
GI	5816991	Score	311
Exons	1..50, 185..508		
GI Descrip.	(AL110123) multidrug resistance protein/P-glycoprotein-like [Arabidopsis thaliana]		

Seq. No.	15894	Seq. ID	OJ990617_14.9B23.C36
Gene No.	33639	Strand	+
Start	1	End	508
Name	OJ990617_14.9B23.C36.o1.tm	Method	TBLASTX:Maize
Start	1	End	398
GI	none	Score	55
Exons	1..51, 2..52, 3..53, 6..53, 173..325, 175..393, 176..394, 177..398		

Seq. No.	15894	Seq. ID	OJ990617_14.9B23.C36
Gene No.	33639	Strand	+
Start	1	End	508
Name	OJ990617_14.9B23.C36.o1.ts	Method	TBLASTX:Soybean
Start	24	End	448
GI	none	Score	43
Exons	24..53, 29..52, 168..416, 170..421, 175..444, 176..448		

Seq. No.	15894	Seq. ID	OJ990617_14.9B23.C36
Gene No.	33639	Strand	+
Start	1	End	508
Name	OJ990617_14.9B23.C36.o1.tc	Method	TBLASTX:Cress
Start	168	End	453
GI	none	Score	59
Exons	168..323, 175..453, 176..448		

Seq. No.	15895	Seq. ID	OJ990617_14.9B23.C37
Gene No.	33640	Strand	+

Start	121	End	219
Name	OJ990617_14.9B23.C37.o1.gs	Method	GENSCAN
Start	121	End	219
GI	none	Score	.68
Exons	121..219		

Seq. No.	15896	Seq. ID	OJ990617_14.9B23.C39
Gene No.	33641	Strand	-
Start	1	End	687
Name	OJ990617_14.9B23.C39.o1.np	Method	AAT/NAP
Start	1	End	687
GI	6069646	Score	455
Exons	1..687		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	15896	Seq. ID	OJ990617_14.9B23.C39
Gene No.	33641	Strand	-
Start	1	End	687
Name	OJ990617_14.9B23.C39.o2.tm	Method	TBLASTX:Maize
Start	31	End	226
GI	none	Score	80
Exons	31..225, 107..226		

Seq. No.	15896	Seq. ID	OJ990617_14.9B23.C39
Gene No.	33641	Strand	-
Start	1	End	687
Name	OJ990617_14.9B23.C39.o1.tw	Method	TBLASTX:Wheat
Start	88	End	384
GI	none	Score	79
Exons	88..384, 98..244		

Seq. No.	15896	Seq. ID	OJ990617_14.9B23.C39
Gene No.	33641	Strand	-
Start	1	End	687
Name	OJ990617_14.9B23.C39.o1.tm	Method	TBLASTX:Maize
Start	229	End	654
GI	none	Score	245
Exons	229..654, 230..643		

Seq. No.	15897	Seq. ID	OJ990617_14.9B23.C41
Gene No.	33642	Strand	-
Start	447	End	564
Name	OJ990617_14.9B23.C41.o1.gs	Method	GENSCAN
Start	447	End	564
GI	none	Score	.83
Exons	447..564		

Seq. No.	15898	Seq. ID	OJ990617_14.9B23.C43
Gene No.	33643	Strand	-
Start	988	End	1506
Name	OJ990617_14.9B23.C43.o1.gs	Method	GENSCAN
Start	988	End	1506
GI	none	Score	1

Exons	988..1506		
Seq. No.	15899	Seq. ID	OJ990617_14.9B23.C44
Gene No.	33644	Strand	+
Start	1342	End	1757
Name	OJ990617_14.9B23.C44.o1.gs	Method	GENSCAN
Start	1342	End	1757
GI	none	Score	.49
Exons	1342..1435, 1601..1757		
Seq. No.	15900	Seq. ID	OJ990617_14.9B23.C45
Gene No.	33645	Strand	+
Start	2042	End	2351
Name	OJ990617_14.9B23.C45.o1.gs	Method	GENSCAN
Start	2042	End	2351
GI	none	Score	.88
Exons	2042..2351		
Seq. No.	15901	Seq. ID	OJ990617_14.9B23.C46
Gene No.	33646	Strand	+
Start	854	End	4633
Name	OJ990617_14.9B23.C46.o1.gs	Method	GENSCAN
Start	854	End	4633
GI	none	Score	.69
Exons	854..996, 1418..2197, 3233..4633		
Seq. No.	15901	Seq. ID	OJ990617_14.9B23.C46
Gene No.	33647	Strand	-
Start	4289	End	4732
Name	OJ990617_14.9B23.C46.o1.tm	Method	TBLASTX:Maize
Start	1405	End	2200
GI	none	Score	358
Exons	1405..1647, 1409..1618, 1665..1835, 1665..1850, 1676..1858, 1706..1849, 1864..1956, 1874..1981, 1880..1975, 1978..2124, 1986..2198, 2003..2191, 2012..2200		
Seq. No.	15901	Seq. ID	OJ990617_14.9B23.C46
Gene No.	33647	Strand	-
Start	4289	End	4732
Name	OJ990617_14.9B23.C46.o1.ts	Method	TBLASTX:Soybean
Start	1405	End	1627
GI	none	Score	286
Exons	1405..1617, 1406..1627		
Seq. No.	15901	Seq. ID	OJ990617_14.9B23.C46
Gene No.	33647	Strand	-
Start	4289	End	4732
Name	OJ990617_14.9B23.C46.o2.tm	Method	TBLASTX:Maize
Start	3300	End	3705
GI	none	Score	34
Exons	3300..3359, 3300..3374, 3393..3473, 3399..3464, 3439..3474, 3457..3489, 3524..3691, 3561..3701, 3571..3705, 3604..3705		
Seq. No.	15901	Seq. ID	OJ990617_14.9B23.C46
Gene No.	33647	Strand	-
Start	4289	End	4732
Name	OJ990617_14.9B23.C46.o1.gp	Method	AAT/GAP

Start	4289	End	4732
GI	45844_1.R1084	Score	790
Exons	4289..4732		
GI Descrip.	'5816991/emb\|CAB53646.1\| 1.0e-35 (AL110123) multidrug resistance protein/P-glycoprotein-like [Arabidopsis thaliana]'		

Seq. No.	15902	Seq. ID	OJ990617_14.9B23.C47
Gene No.	33648	Strand	-
Start	174	End	537
Name	OJ990617_14.9B23.C47.o1.gs	Method	GENSCAN
Start	174	End	537
GI	none	Score	.77
Exons	174..319, 393..537		

Seq. No.	15903	Seq. ID	OJ990617_14.9B23.C48
Gene No.	33649	Strand	+
Start	1	End	556
Name	OJ990617_14.9B23.C48.o1.np	Method	AAT/NAP
Start	1	End	556
GI	3522943	Score	512
Exons	1..556		
GI Descrip.	(AC004411) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	15903	Seq. ID	OJ990617_14.9B23.C48
Gene No.	33649	Strand	+
Start	1	End	556
Name	OJ990617_14.9B23.C48.o1.tc	Method	TBLASTX:Cress
Start	33	End	554
GI	none	Score	422
Exons	33..554, 74..502, 168..551, 206..511, 306..539, 354..539		

Seq. No.	15903	Seq. ID	OJ990617_14.9B23.C48
Gene No.	33649	Strand	+
Start	1	End	556
Name	OJ990617_14.9B23.C48.o1.gs	Method	GENSCAN
Start	68	End	510
GI	none	Score	.56
Exons	68..510		

Seq. No.	15903	Seq. ID	OJ990617_14.9B23.C48
Gene No.	33649	Strand	+
Start	1	End	556
Name	OJ990617_14.9B23.C48.o1.ts	Method	TBLASTX:Soybean
Start	72	End	554
GI	none	Score	544
Exons	72..554, 74..511, 156..548		

Seq. No.	15903	Seq. ID	OJ990617_14.9B23.C48
Gene No.	33649	Strand	+
Start	1	End	556
Name	OJ990617_14.9B23.C48.o1.tm	Method	TBLASTX:Maize
Start	117	End	554
GI	none	Score	494
Exons	117..554, 119..511, 321..554		

Seq. No.	15904	Seq. ID	OJ990617_14.9B23.C51
Gene No.	33650	Strand	-

Start	1	End	1053
Name	OJ990617_14.9B23.C51.o1.np	Method	AAT/NAP
Start	1	End	1053
GI	6692724	Score	715
Exons	1..86, 181..342, 620..900, 998..1053		
GI Descrip.	(AC012679) putative S-adenosyl-methionine-sterol-C-methyltransferase, 5' partial [Arabidopsis thaliana]		

Seq. No.	15904	Seq. ID	OJ990617_14.9B23.C51
Gene No.	33650	Strand	-
Start	1	End	1053
Name	OJ990617_14.9B23.C51.o1.gp	Method	AAT/GAP
Start	19	End	1053
GI	8157_1.R1084	Score	996
Exons	19..86, 181..342, 620..900, 998..1053		
GI Descrip.	'1458245 9.0e-39 (U64834) coded for by C. elegans cDNA cm17a1; coded for by C. elegans cDNA cm7g1; coded for by C. elegans cDNA CEMSE26F; similar to methyltransferases [Caenorhabditis elegans]'		

Seq. No.	15904	Seq. ID	OJ990617_14.9B23.C51
Gene No.	33650	Strand	-
Start	1	End	1053
Name	OJ990617_14.9B23.C51.o1.tc	Method	TBLASTX:Cress
Start	27	End	1053
GI	none	Score	53
Exons	27..89, 34..87, 167..343, 175..348, 620..682, 624..683, 659..892, 671..901, 672..902, 995..1045, 1002..1052, 1003..1053, 1003..1053		

Seq. No.	15904	Seq. ID	OJ990617_14.9B23.C51
Gene No.	33650	Strand	-
Start	1	End	1053
Name	OJ990617_14.9B23.C51.o1.tm	Method	TBLASTX:Maize
Start	27	End	1053
GI	none	Score	69
Exons	27..89, 33..89, 40..93, 44..94, 160..345, 175..348, 176..346, 618..902, 621..899, 623..901, 625..921, 999..1052, 1002..1052, 1003..1053		

Seq. No.	15904	Seq. ID	OJ990617_14.9B23.C51
Gene No.	33650	Strand	-
Start	1	End	1053
Name	OJ990617_14.9B23.C51.o1.gs	Method	GENSCAN
Start	33	End	900
GI	none	Score	.9
Exons	33..86, 181..342, 620..900		

Seq. No.	15904	Seq. ID	OJ990617_14.9B23.C51
Gene No.	33650	Strand	-
Start	1	End	1053
Name	OJ990617_14.9B23.C51.o1.ts	Method	TBLASTX:Soybean
Start	36	End	1053
GI	none	Score	55
Exons	36..89, 40..87, 175..348, 215..343, 607..900, 620..901, 624..905, 636..902, 640..906, 999..1052, 1003..1053		

Seq. No.	15905	Seq. ID	OJ990617_14.9B23.C52
Gene No.	33651	Strand	+
Start	4186	End	5522
Name	OJ990617_14.9B23.C52.o2.gs	Method	GENSCAN
Start	4186	End	5522
GI	none	Score	.73
Exons	4186..4325, 4327..4462, 4561..4668, 5082..5522		

Seq. No.	15905	Seq. ID	OJ990617_14.9B23.C52
Gene No.	33652	Strand	-
Start	1	End	2939
Name	OJ990617_14.9B23.C52.o1.np	Method	AAT/NAP
Start	1	End	331
GI	6692724	Score	258
Exons	1..172, 257..331		
GI Descrip.	(AC012679) putative S-adenosyl-methionine-sterol-C-methyltransferase, 5' partial [Arabidopsis thaliana]		

Seq. No.	15905	Seq. ID	OJ990617_14.9B23.C52
Gene No.	33652	Strand	-
Start	1	End	2939
Name	OJ990617_14.9B23.C52.o2.np	Method	AAT/NAP
Start	1	End	2766
GI	1055130	Score	206
Exons	1..172, 257..367, 589..732, 938..1075, 1221..1358, 2562..2657, 2732..2766		
GI Descrip.	(U39998) coded for by C. elegans cDNA yk92b11.3; coded for by C. elegans cDNA yk92b11.5; coded for by C. elegans cDNA yk78c2.5; coded for by C. elegans cDNA cm9a8; coded for by C. elegans cDNA yk66h8.3; coded for by C. elegans cDNA yk78c2.3 ...		

Seq. No.	15905	Seq. ID	OJ990617_14.9B23.C52
Gene No.	33652	Strand	-
Start	1	End	2939
Name	OJ990617_14.9B23.C52.o1.gp	Method	AAT/GAP
Start	56	End	699
GI	8157_1.R1084	Score	580
Exons	56..172, 257..367, 589..699		
GI Descrip.	'1458245 9.0e-39 (U64834) coded for by C. elegans cDNA cm17a1; coded for by C. elegans cDNA cm7g1; coded for by C. elegans cDNA CEMSE26F; similar to methyltransferases [Caenorhabditis elegans]'		

Seq. No.	15905	Seq. ID	OJ990617_14.9B23.C52
Gene No.	33652	Strand	-
Start	1	End	2939
Name	OJ990617_14.9B23.C52.o1.ts	Method	TBLASTX:Soybean
Start	56	End	370
GI	none	Score	96
Exons	56..175, 60..173, 254..367, 257..370		

Seq. No.	15905	Seq. ID	OJ990617_14.9B23.C52
Gene No.	33652	Strand	-
Start	1	End	2939
Name	OJ990617_14.9B23.C52.o1.tm	Method	TBLASTX:Maize

Start	56	End	2672
GI	none	Score	142
Exons	56..175, 57..173, 61..183, 254..370, 254..367, 457..498, 566..742, 586..732, 935..1075, 936..1079, 937..1080, 937..1077, 1221..1343, 1222..1359, 1222..1359, 2556..2672, 2562..2627, 2608..2661		

Seq. No.	15905	Seq. ID	OJ990617_14.9B23.C52
Gene No.	33652	Strand	-
Start	1	End	2939
Name	OJ990617_14.9B23.C52.o1.tc	Method	TBLASTX:Cress
Start	56	End	633
GI	none	Score	113
Exons	56..175, 57..173, 58..174, 253..345, 254..370, 254..367, 457..495, 586..633		

Seq. No.	15905	Seq. ID	OJ990617_14.9B23.C52
Gene No.	33652	Strand	-
Start	1	End	2939
Name	OJ990617_14.9B23.C52.o1.tw	Method	TBLASTX:Wheat
Start	56	End	733
GI	none	Score	135
Exons	56..175, 57..173, 62..175, 222..368, 254..370, 254..367, 457..498, 578..733, 586..732, 587..733		

Seq. No.	15905	Seq. ID	OJ990617_14.9B23.C52
Gene No.	33652	Strand	-
Start	1	End	2939
Name	OJ990617_14.9B23.C52.o1.gs	Method	GENSCAN
Start	257	End	2939
GI	none	Score	.84
Exons	257..367, 589..732, 938..1075, 1221..1358, 2388..2450, 2562..2689, 2909..2939		

Seq. No.	15905	Seq. ID	OJ990617_14.9B23.C52
Gene No.	33652	Strand	-
Start	1	End	2939
Name	OJ990617_14.9B23.C52.o2.ts	Method	TBLASTX:Soybean
Start	622	End	2702
GI	none	Score	120
Exons	622..732, 623..733, 935..1075, 936..1079, 938..1090, 1221..1343, 1222..1353, 1231..1347, 2556..2702, 2559..2627		

Seq. No.	15905	Seq. ID	OJ990617_14.9B23.C52
Gene No.	33652	Strand	-
Start	1	End	2939
Name	OJ990617_14.9B23.C52.o2.tc	Method	TBLASTX:Cress
Start	935	End	2675
GI	none	Score	101
Exons	935..1078, 935..1075, 936..1079, 937..1077, 949..1086, 1221..1343, 1222..1356, 1264..1368, 2556..2675, 2608..2658		

Seq. No.	15906	Seq. ID	OJ990617_14.9B23.C53
Gene No.	33653	Strand	+
Start	21	End	387
Name	OJ990617_14.9B23.C53.o1.gs	Method	GENSCAN
Start	21	End	387

GI	none	Score	.65
Exons	21..387		

Seq. No.	15907	Seq. ID	OJ990617_14.9B23.C54
Gene No.	33654	Strand	+
Start	66	End	505
Name	OJ990617_14.9B23.C54.o1.gs	Method	GENSCAN
Start	66	End	505
GI	none	Score	.57
Exons	66..505		

Seq. No.	15908	Seq. ID	OJ990617_14.9B23.C55
Gene No.	33655	Strand	-
Start	64	End	195
Name	OJ990617_14.9B23.C55.o1.gs	Method	GENSCAN
Start	64	End	195
GI	none	Score	1
Exons	64..195		

Seq. No.	15909	Seq. ID	OJ990617_14.9B23.C56
Gene No.	33656	Strand	+
Start	1	End	721
Name	OJ990617_14.9B23.C56.o1.np	Method	AAT/NAP
Start	1	End	721
GI	6539553	Score	1221
Exons	1..721		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi\|6539590\|dbj\|BAA88206.1\| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	15909	Seq. ID	OJ990617_14.9B23.C56
Gene No.	33656	Strand	+
Start	1	End	721
Name	OJ990617_14.9B23.C56.o1.gs	Method	GENSCAN
Start	2	End	497
GI	none	Score	.53
Exons	2..497		

Seq. No.	15909	Seq. ID	OJ990617_14.9B23.C56
Gene No.	33656	Strand	+
Start	1	End	721
Name	OJ990617_14.9B23.C56.o1.ts	Method	TBLASTX:Soybean
Start	20	End	436
GI	5509260	Score	353
Exons	20..436, 67..285, 358..417		
GI Descrip.	-		

Seq. No.	15909	Seq. ID	OJ990617_14.9B23.C56
Gene No.	33656	Strand	+
Start	1	End	721
Name	OJ990617_14.9B23.C56.o1.tc	Method	TBLASTX:Cress
Start	65	End	325
GI	none	Score	275
Exons	65..325, 67..237		

Seq. No.	15909	Seq. ID	OJ990617_14.9B23.C56

Gene No.	33656	Strand	+
Start	1	End	721
Name	OJ990617_14.9B23.C56.o1.tm	Method	TBLASTX:Maize
Start	106	End	571
GI	none	Score	350
Exons	106..288, 107..571, 242..424,	358..468	

Seq. No.	15909	Seq. ID	OJ990617_14.9B23.C56
Gene No.	33656	Strand	+
Start	1	End	721
Name	OJ990617_14.9B23.C56.o1.tw	Method	TBLASTX:Wheat
Start	107	End	652
GI	none	Score	308
Exons	107..451, 254..427, 446..652,	520..642	

Seq. No.	15909	Seq. ID	OJ990617_14.9B23.C56
Gene No.	33656	Strand	+
Start	1	End	721
Name	OJ990617_14.9B23.C56.o2.ts	Method	TBLASTX:Soybean
Start	505	End	718
GI	none	Score	223
Exons	505..705, 506..718		

Seq. No.	15910	Seq. ID	OJ990617_14.9B23.C57
Gene No.	33657	Strand	-
Start	490	End	995
Name	OJ990617_14.9B23.C57.o1.gs	Method	GENSCAN
Start	490	End	995
GI	none	Score	.55
Exons	490..740, 790..995		

Seq. No.	15911	Seq. ID	OJ990617_14.9B23.C59
Gene No.	33658	Strand	-
Start	102	End	810
Name	OJ990617_14.9B23.C59.o1.np	Method	AAT/NAP
Start	102	End	810
GI	5777617	Score	90
Exons	102..199, 784..810		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	15911	Seq. ID	OJ990617_14.9B23.C59
Gene No.	33658	Strand	-
Start	102	End	810
Name	OJ990617_14.9B23.C59.o1.gs	Method	GENSCAN
Start	106	End	780
GI	none	Score	.43
Exons	106..261, 733..780		

Seq. No.	15912	Seq. ID	OJ990617_14.9B23.C60
Gene No.	33659	Strand	+
Start	1	End	874
Name	OJ990617_14.9B23.C60.o1.np	Method	AAT/NAP
Start	1	End	721
GI	5042454	Score	179
Exons	1..203, 668..721		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	15912	Seq. ID	OJ990617_14.9B23.C60
Gene No.	33659	Strand	+
Start	1	End	874
Name	OJ990617_14.9B23.C60.o1.gs	Method	GENSCAN
Start	114	End	874
GI	none	Score	.56
Exons	114..203, 707..874		

Seq. No.	15913	Seq. ID	OJ990617_14.9B23.C61
Gene No.	33660	Strand	-
Start	1	End	108
Name	OJ990617_14.9B23.C61.o1.np	Method	AAT/NAP
Start	1	End	108
GI	6899925	Score	138
Exons	1..108		
GI Descrip.	(AL138651) P-glycoprotein-like proetin [Arabidopsis thaliana]		

Seq. No.	15914	Seq. ID	OJ990617_14.9B23.C62
Gene No.	33661	Strand	-
Start	425	End	643
Name	OJ990617_14.9B23.C62.o1.gs	Method	GENSCAN
Start	425	End	643
GI	none	Score	.77
Exons	425..643		

Seq. No.	15915	Seq. ID	OJ990617_14.9B23.C63
Gene No.	33662	Strand	+
Start	1	End	713
Name	OJ990617_14.9B23.C63.o1.np	Method	AAT/NAP
Start	1	End	713
GI	6598511	Score	116
Exons	1..188, 474..713		
GI Descrip.	(AC006069) unknown protein [Arabidopsis thaliana]		

Seq. No.	15915	Seq. ID	OJ990617_14.9B23.C63
Gene No.	33662	Strand	+
Start	1	End	713
Name	OJ990617_14.9B23.C63.o1.gs	Method	GENSCAN
Start	143	End	646
GI	none	Score	1
Exons	143..196, 467..646		

Seq. No.	15916	Seq. ID	OJ990617_14.9B23.C64
Gene No.	33663	Strand	+
Start	1	End	4029
Name	OJ990617_14.9B23.C64.o1.np	Method	AAT/NAP
Start	1	End	4000
GI	6598511	Score	962
Exons	1..193, 269..396, 526..618, 733..783, 1431..1496, 1594..1659, 1750..1830, 1926..1995, 2281..2453, 2532..2607, 2696..2817, 3599..4000		
GI Descrip.	(AC006069) unknown protein [Arabidopsis thaliana]		

Seq. No.	15916	Seq. ID	OJ990617_14.9B23.C64
Gene No.	33663	Strand	+
Start	1	End	4029
Name	OJ990617_14.9B23.C64.o1.tc	Method	TBLASTX:Cress

Start	54	End	397
GI	none	Score	198
Exons	54..188, 55..192, 267..374, 268..396, 269..397		

Seq. No.	15916	Seq. ID	OJ990617_14.9B23.C64
Gene No.	33663	Strand	+
Start	1	End	4029
Name	OJ990617_14.9B23.C64.o2.tm	Method	TBLASTX:Maize
Start	54	End	786
GI	none	Score	198
Exons	54..188, 55..192, 55..195, 56..196, 267..395, 268..396, 268..396, 269..397, 272..397, 523..618, 524..619, 524..616, 730..786, 732..785, 736..786		

Seq. No.	15916	Seq. ID	OJ990617_14.9B23.C64
Gene No.	33663	Strand	+
Start	1	End	4029
Name	OJ990617_14.9B23.C64.o1.gs	Method	GENSCAN
Start	55	End	3961
GI	none	Score	.95
Exons	55..193, 269..396, 526..618, 733..783, 1431..1496, 1926..2003, 2274..2453, 2532..2607, 2690..2817, 3599..3961		

Seq. No.	15916	Seq. ID	OJ990617_14.9B23.C64
Gene No.	33663	Strand	+
Start	1	End	4029
Name	OJ990617_14.9B23.C64.o1.tw	Method	TBLASTX:Wheat
Start	102	End	1620
GI	none	Score	131
Exons	102..188, 103..192, 103..192, 104..202, 267..395, 268..396, 269..397, 271..399, 524..619, 524..616, 729..785, 730..786, 732..785, 733..786, 1421..1495, 1425..1496, 1591..1620, 1591..1620		

Seq. No.	15916	Seq. ID	OJ990617_14.9B23.C64
Gene No.	33663	Strand	+
Start	1	End	4029
Name	OJ990617_14.9B23.C64.o1.ts	Method	TBLASTX:Soybean
Start	535	End	1991
GI	none	Score	56
Exons	535..618, 551..619, 729..785, 730..786, 732..785, 1421..1495, 1425..1496, 1591..1659, 1591..1659, 1749..1829, 1750..1830, 1902..1991, 1925..1984		

Seq. No.	15916	Seq. ID	OJ990617_14.9B23.C64
Gene No.	33663	Strand	+
Start	1	End	4029
Name	OJ990617_14.9B23.C64.o1.tm	Method	TBLASTX:Maize
Start	1406	End	2826
GI	none	Score	85
Exons	1406..1495, 1418..1486, 1425..1496, 1591..1659, 1591..1659, 1592..1660, 1748..1828, 1749..1829, 1749..1829, 1750..1830, 1899..2003, 1899..2060, 1924..2013, 2270..2395, 2532..2606, 2532..2606, 2542..2610, 2700..2789, 2703..2771, 2725..2826		

Seq. No.	15916	Seq. ID	OJ990617_14.9B23.C64
Gene No.	33663	Strand	+

Start	1	End	4029
Name	OJ990617_14.9B23.C64.o2.tc	Method	TBLASTX:Cress
Start	1433	End	1991
GI	none	Score	97
Exons	1433..1495, 1440..1496, 1591..1659, 1591..1659, 1747..1821, 1749..1829, 1750..1830, 1899..1991, 1925..1984		

Seq. No.	15916	Seq. ID	OJ990617_14.9B23.C64
Gene No.	33663	Strand	+
Start	1	End	4029
Name	OJ990617_14.9B23.C64.o1.gp	Method	AAT/GAP
Start	2537	End	3712
GI	700508	Score	549
Exons	2537..2607, 2690..2817, 3599..3712		
GI Descrip.	3785989 8.0e-14 (AC005560) unknown protein [Arabidopsis thaliana]		

Seq. No.	15916	Seq. ID	OJ990617_14.9B23.C64
Gene No.	33663	Strand	+
Start	1	End	4029
Name	OJ990617_14.9B23.C64.o3.tm	Method	TBLASTX:Maize
Start	3574	End	3961
GI	none	Score	63
Exons	3574..3636, 3576..3653, 3599..3655, 3676..3774, 3677..3760, 3833..3961, 3835..3960		

Seq. No.	15916	Seq. ID	OJ990617_14.9B23.C64
Gene No.	33663	Strand	+
Start	1	End	4029
Name	OJ990617_14.9B23.C64.o2.gp	Method	AAT/GAP
Start	3809	End	4029
GI	LIB3477-009-P1-K1-A7	Score	442
Exons	3809..4029		
GI Descrip.	'3785989 8.0e-14 (AC005560) unknown protein [Arabidopsis thaliana]'		

Seq. No.	15917	Seq. ID	OJ990617_14.9B23.C65
Gene No.	33664	Strand	-
Start	477	End	634
Name	OJ990617_14.9B23.C65.o1.np	Method	AAT/NAP
Start	477	End	634
GI	4558552	Score	165
Exons	477..634		
GI Descrip.	(AC007138) putative P-glycoprotein-like protein [Arabidopsis thaliana]		

Seq. No.	15917	Seq. ID	OJ990617_14.9B23.C65
Gene No.	33664	Strand	-
Start	477	End	634
Name	OJ990617_14.9B23.C65.o1.ts	Method	TBLASTX:Soybean
Start	480	End	633
GI	none	Score	148
Exons	480..632, 502..633		

Seq. No.	15918	Seq. ID	OJ990617_14.9B23.C66
Gene No.	33665	Strand	-
Start	14	End	907

Name	OJ990617_14.9B23.C66.o1.gs	Method	GENSCAN
Start	14	End	907
GI	none	Score	.8
Exons	14..252, 382..532, 788..907		

Seq. No.	15918	Seq. ID	OJ990617_14.9B23.C66
Gene No.	33665	Strand	-
Start	14	End	907
Name	OJ990617_14.9B23.C66.o1.np	Method	AAT/NAP
Start	394	End	503
GI	5777617	Score	67
Exons	394..503		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	15919	Seq. ID	OJ990617_14.9B23.C67
Gene No.	33666	Strand	-
Start	180	End	314
Name	OJ990617_14.9B23.C67.o1.gs	Method	GENSCAN
Start	180	End	314
GI	none	Score	.57
Exons	180..314		

Seq. No.	15920	Seq. ID	OJ990617_14.9B23.C69
Gene No.	33667	Strand	+
Start	623	End	1144
Name	OJ990617_14.9B23.C69.o1.gs	Method	GENSCAN
Start	623	End	1144
GI	none	Score	.99
Exons	623..1144		

Seq. No.	15921	Seq. ID	OJ990617_14.9B23.C70
Gene No.	33668	Strand	+
Start	15	End	49
Name	OJ990617_14.9B23.C70.o1.gs	Method	GENSCAN
Start	15	End	49
GI	none	Score	.87
Exons	15..49		

Seq. No.	15922	Seq. ID	OJ990617_14.9B23.C72
Gene No.	33669	Strand	-
Start	1	End	242
Name	OJ990617_14.9B23.C72.o1.np	Method	AAT/NAP
Start	1	End	242
GI	2073375	Score	118
Exons	1..242		
GI Descrip.	(D85317) farnesyl pyrophosphate synthase [Oryza sativa] gi\|4063829\|dbj\|BAA36276\| (AB021747) farnesyl diphosphate synthase [Oryza sativa]		

Seq. No.	15922	Seq. ID	OJ990617_14.9B23.C72
Gene No.	33669	Strand	-
Start	1	End	242
Name	OJ990617_14.9B23.C72.o1.ts	Method	TBLASTX:Soybean
Start	28	End	145
GI	none	Score	85
Exons	28..144, 46..144, 47..145		

Seq. No.	15922	Seq. ID	OJ990617_14.9B23.C72
Gene No.	33669	Strand	-
Start	1	End	242
Name	OJ990617_14.9B23.C72.o1.gs	Method	GENSCAN
Start	52	End	138
GI	none	Score	.81
Exons	52..138		

Seq. No.	15923	Seq. ID	OJ990617_14.9B23.C73
Gene No.	33670	Strand	+
Start	1	End	477
Name	OJ990617_14.9B23.C73.o1.np	Method	AAT/NAP
Start	1	End	477
GI	6692724	Score	199
Exons	1..112, 218..292, 382..477		
GI Descrip.	(AC012679) putative S-adenosyl-methionine-sterol-C-methyltransferase, 5' partial [Arabidopsis thaliana]		

Seq. No.	15923	Seq. ID	OJ990617_14.9B23.C73
Gene No.	33670	Strand	+
Start	1	End	477
Name	OJ990617_14.9B23.C73.o1.gs	Method	GENSCAN
Start	59	End	477
GI	none	Score	.96
Exons	59..112, 218..292, 382..477		

Seq. No.	15923	Seq. ID	OJ990617_14.9B23.C73
Gene No.	33671	Strand	+
Start	503	End	765
Name	OJ990617_14.9B23.C73.o2.gp	Method	AAT/GAP
Start	503	End	765
GI	5607393	Score	501
Exons	503..765		

Seq. No.	15923	Seq. ID	OJ990617_14.9B23.C73
Gene No.	33672	Strand	-
Start	56	End	126
Name	OJ990617_14.9B23.C73.o1.gp	Method	AAT/GAP
Start	56	End	126
GI	8157_1.R1084	Score	87
Exons	56..126		
GI Descrip.	'1458245 9.0e-39 (U64834) coded for by C. elegans cDNA cm17a1; coded for by C. elegans cDNA cm7g1; coded for by C. elegans cDNA CEMSE26F; similar to methyltransferases [Caenorhabditis elegans]'		

Seq. No.	15923	Seq. ID	OJ990617_14.9B23.C73
Gene No.	33673	Strand	-
Start	881	End	2509
Name	OJ990617_14.9B23.C73.o1.tc	Method	TBLASTX:Cress
Start	56	End	479
GI	none	Score	83
Exons	56..118, 215..292, 373..474, 381..479		

Seq. No.	15923	Seq. ID	OJ990617_14.9B23.C73
Gene No.	33673	Strand	-

Start	881	End	2509
Name	OJ990617_14.9B23.C73.o1.tm	Method	TBLASTX:Maize
Start	56	End	479
GI	none	Score	82
Exons	56..118, 56..112, 170..292, 215..292, 373..477, 379..477, 380..478, 381..479		

Seq. No.	15923	Seq. ID	OJ990617_14.9B23.C73
Gene No.	33673	Strand	-
Start	881	End	2509
Name	OJ990617_14.9B23.C73.o2.gs	Method	GENSCAN
Start	881	End	2509
GI	none	Score	.47
Exons	881..924, 990..1081, 1456..1713, 2455..2509		

Seq. No.	15924	Seq. ID	OJ990617_14.9B23.C74
Gene No.	33674	Strand	+
Start	1	End	2860
Name	OJ990617_14.9B23.C74.o1.np	Method	AAT/NAP
Start	1	End	2860
GI	3157941	Score	330
Exons	1..202, 295..417, 2132..2278, 2699..2860		
GI Descrip.	(AC002131) Contains similarity to hypothetical protein gb\|U95973 from A. thaliana. [Arabidopsis thaliana]		

Seq. No.	15924	Seq. ID	OJ990617_14.9B23.C74
Gene No.	33674	Strand	+
Start	1	End	2860
Name	OJ990617_14.9B23.C74.o1.gp	Method	AAT/GAP
Start	121	End	2752
GI	LIB3434-035-P1-K1-G6	Score	884
Exons	121..202, 295..375, 1236..1277, 1702..1735, 1966..2031, 2132..2278, 2699..2752		
GI Descrip.	'2073375/dbj\|BAA19856\| 4.0e-18 (D85317) farnesyl pyrophosphate synthase [Oryza sativa] >gi_4063829_dbj_BAA36276_ (AB021747) farnesyl diphosphate synthase [Oryza sativa]'		

Seq. No.	15924	Seq. ID	OJ990617_14.9B23.C74
Gene No.	33674	Strand	+
Start	1	End	2860
Name	OJ990617_14.9B23.C74.o1.gs	Method	GENSCAN
Start	121	End	2340
GI	none	Score	.82
Exons	121..202, 295..375, 1236..1277, 1697..1735, 1966..2031, 2132..2278, 2326..2340		

Seq. No.	15924	Seq. ID	OJ990617_14.9B23.C74
Gene No.	33675	Strand	-
Start	2930	End	4672
Name	OJ990617_14.9B23.C74.o1.tm	Method	TBLASTX:Maize
Start	1964	End	2335
GI	none	Score	71
Exons	1964..2029, 1965..2030, 1965..2066, 1966..2067, 2131..2277, 2132..2281, 2166..2282, 2183..2335		

Seq. No.	15924	Seq. ID	OJ990617_14.9B23.C74
Gene No.	33675	Strand	-

Start	2930	End	4672
Name	OJ990617_14.9B23.C74.o1.ts	Method	TBLASTX:Soybean
Start	1984	End	2281
GI	none	Score	78
Exons	1984..2067, 1986..2069, 2144..2281, 2149..2274		

Seq. No.	15924	Seq. ID	OJ990617_14.9B23.C74
Gene No.	33675	Strand	-
Start	2930	End	4672
Name	OJ990617_14.9B23.C74.o2.gs	Method	GENSCAN
Start	2930	End	4397
GI	none	Score	.68
Exons	2930..2976, 3476..3629, 3748..3907, 4273..4397		

Seq. No.	15924	Seq. ID	OJ990617_14.9B23.C74
Gene No.	33675	Strand	-
Start	2930	End	4672
Name	OJ990617_14.9B23.C74.o2.gp	Method	AAT/GAP
Start	4224	End	4402
GI	2796691	Score	276
Exons	4224..4402		
GI Descrip.	2073375/dbj\|BAA19856\| 4.0e-18 (D85317) farnesyl pyrophosphate synthase [Oryza sativa] >gi_4063829_dbj_BAA36276_ (AB021747) farnesyl diphosphate synthase [Oryza sativa]		

Seq. No.	15924	Seq. ID	OJ990617_14.9B23.C74
Gene No.	33675	Strand	-
Start	2930	End	4672
Name	OJ990617_14.9B23.C74.o2.np	Method	AAT/NAP
Start	4272	End	4672
GI	2073375	Score	128
Exons	4272..4409, 4637..4672		
GI Descrip.	(D85317) farnesyl pyrophosphate synthase [Oryza sativa] gi\|4063829\|dbj\|BAA36276\| (AB021747) farnesyl diphosphate synthase [Oryza sativa]		

Seq. No.	15925	Seq. ID	OJ990617_14.9B23.C75
Gene No.	33676	Strand	-
Start	1	End	1939
Name	OJ990617_14.9B23.C75.o1.np	Method	AAT/NAP
Start	1	End	1939
GI	2073375	Score	639
Exons	1..67, 156..200, 306..401, 812..863, 1000..1088, 1169..1285, 1627..1713, 1811..1939		
GI Descrip.	(D85317) farnesyl pyrophosphate synthase [Oryza sativa] gi\|4063829\|dbj\|BAA36276\| (AB021747) farnesyl diphosphate synthase [Oryza sativa]		

Seq. No.	15925	Seq. ID	OJ990617_14.9B23.C75
Gene No.	33676	Strand	-
Start	1	End	1939
Name	OJ990617_14.9B23.C75.o1.tm	Method	TBLASTX:Maize
Start	2	End	1841
GI	none	Score	67
Exons	2..70, 3..68, 132..203, 145..204, 158..217, 305..403, 306..401, 809..856, 996..1088, 1000..1089, 1164..1286, 1166..1300, 1199..1288, 1624..1713, 1625..1714, 1808..1840, 1809..1841		

Seq. No.	15925	Seq. ID	OJ990617_14.9B23.C75
Gene No.	33676	Strand	-
Start	1	End	1939
Name	OJ990617_14.9B23.C75.o1.tc	Method	TBLASTX:Cress
Start	5	End	1864
GI	none	Score	61
Exons	5..70, 8..76, 9..125, 145..201, 147..203, 147..203, 306..401, 809..862, 996..1088, 1012..1089, 1154..1300, 1158..1286, 1609..1713, 1625..1708, 1808..1861, 1811..1864		

Seq. No.	15925	Seq. ID	OJ990617_14.9B23.C75
Gene No.	33676	Strand	-
Start	1	End	1939
Name	OJ990617_14.9B23.C75.o1.ts	Method	TBLASTX:Soybean
Start	145	End	1861
GI	none	Score	48
Exons	145..201, 147..212, 147..203, 306..401, 306..401, 313..402, 809..871, 996..1088, 1009..1089, 1164..1286, 1166..1300, 1624..1713, 1625..1714, 1626..1763, 1671..1727, 1790..1858, 1808..1861		

Seq. No.	15925	Seq. ID	OJ990617_14.9B23.C75
Gene No.	33676	Strand	-
Start	1	End	1939
Name	OJ990617_14.9B23.C75.o1.gs	Method	GENSCAN
Start	156	End	1713
GI	none	Score	.81
Exons	156..200, 306..401, 812..863, 1015..1088, 1169..1285, 1627..1713		

Seq. No.	15926	Seq. ID	OJ990617_14.9B23.C76
Gene No.	33677	Strand	+
Start	391	End	1198
Name	OJ990617_14.9B23.C76.o1.gs	Method	GENSCAN
Start	391	End	1198
GI	none	Score	.65
Exons	391..490, 572..673, 762..1198		

Seq. No.	15926	Seq. ID	OJ990617_14.9B23.C76
Gene No.	33678	Strand	-
Start	1	End	485
Name	OJ990617_14.9B23.C76.o1.np	Method	AAT/NAP
Start	1	End	485
GI	2146730	Score	75
Exons	1..75, 124..148, 375..485		
GI Descrip.	farnesyl diphosphate synthase (EC 2.5.1.10) FPS2 - Arabidopsis thaliana gi\|1146161 (L46350) farnesyl diphosphate synthase [Arabidopsis thaliana] gi\|1146163 (L46349) farnesyl diphosphate synthase [Arabidopsis thaliana] gi\|2245078\|emb\|CAB10500.1\| (Z97343) contains EST gb:1217531 [Arabidopsis thaliana]		

Seq. No.	15926	Seq. ID	OJ990617_14.9B23.C76
Gene No.	33679	Strand	-
Start	1692	End	4371
Name	OJ990617_14.9B23.C76.o2.gs	Method	GENSCAN
Start	1692	End	4367
GI	none	Score	.67

Exons	1692..1920, 2309..2488, 2885..3014, 3309..3623, 3900..3942, 3975..4367		
Seq. No.	15926	Seq. ID	OJ990617_14.9B23.C76
Gene No.	33679	Strand	-
Start	1692	End	4371
Name	OJ990617_14.9B23.C76.o1.tm	Method	TBLASTX:Maize
Start	3529	End	4371
GI	none	Score	122
Exons	3529..3621, 3530..3631, 3902..3943, 3904..3942, 3999..4220, 4023..4181, 4254..4367, 4258..4368, 4282..4371		
Seq. No.	15927	Seq. ID	OJ990617_14.9B23.C77
Gene No.	33680	Strand	+
Start	119	End	192
Name	OJ990617_14.9B23.C77.o1.gs	Method	GENSCAN
Start	119	End	192
GI	none	Score	.54
Exons	119..192		
Seq. No.	15928	Seq. ID	OJ990617_14.9B23.C78
Gene No.	33681	Strand	-
Start	1	End	1005
Name	OJ990617_14.9B23.C78.o1.np	Method	AAT/NAP
Start	1	End	999
GI	6539553	Score	1736
Exons	1..999		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi\|6539590\|dbj\|BAA88206.1\| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	15928	Seq. ID	OJ990617_14.9B23.C78
Gene No.	33681	Strand	-
Start	1	End	1005
Name	OJ990617_14.9B23.C78.o1.gs	Method	GENSCAN
Start	149	End	999
GI	none	Score	.57
Exons	149..999		
Seq. No.	15928	Seq. ID	OJ990617_14.9B23.C78
Gene No.	33681	Strand	-
Start	1	End	1005
Name	OJ990617_14.9B23.C78.o1.tm	Method	TBLASTX:Maize
Start	557	End	870
GI	none	Score	291
Exons	557..862, 559..870		
Seq. No.	15928	Seq. ID	OJ990617_14.9B23.C78
Gene No.	33681	Strand	-
Start	1	End	1005
Name	OJ990617_14.9B23.C78.o1.tw	Method	TBLASTX:Wheat
Start	619	End	1005
GI	none	Score	258
Exons	619..1005, 620..994		
Seq. No.	15929	Seq. ID	OJ990617_14.9B23.C79

Gene No.	33682	Strand	-
Start	1	End	1365
Name	OJ990617_14.9B23.C79.o1.np	Method	AAT/NAP
Start	1	End	1365
GI	6539553	Score	2247
Exons	1..1365		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi\|6539590\|dbj\|BAA88206.1\| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	15929	Seq. ID	OJ990617_14.9B23.C79
Gene No.	33682	Strand	-
Start	1	End	1365
Name	OJ990617_14.9B23.C79.o1.tw	Method	TBLASTX:Wheat
Start	57	End	515
GI	none	Score	394
Exons	57..515, 58..507		

Seq. No.	15929	Seq. ID	OJ990617_14.9B23.C79
Gene No.	33682	Strand	-
Start	1	End	1365
Name	OJ990617_14.9B23.C79.o1.tc	Method	TBLASTX:Cress
Start	141	End	530
GI	none	Score	112
Exons	141..335, 348..530		

Seq. No.	15929	Seq. ID	OJ990617_14.9B23.C79
Gene No.	33682	Strand	-
Start	1	End	1365
Name	OJ990617_14.9B23.C79.o1.ts	Method	TBLASTX:Soybean
Start	165	End	563
GI	none	Score	38
Exons	165..338, 292..330, 339..563,	384..554,	385..555

Seq. No.	15929	Seq. ID	OJ990617_14.9B23.C79
Gene No.	33682	Strand	-
Start	1	End	1365
Name	OJ990617_14.9B23.C79.o2.tm	Method	TBLASTX:Maize
Start	351	End	785
GI	none	Score	84
Exons	351..785, 376..576		

Seq. No.	15929	Seq. ID	OJ990617_14.9B23.C79
Gene No.	33682	Strand	-
Start	1	End	1365
Name	OJ990617_14.9B23.C79.o2.tw	Method	TBLASTX:Wheat
Start	516	End	708
GI	none	Score	186
Exons	516..707, 516..707, 637..708		

Seq. No.	15929	Seq. ID	OJ990617_14.9B23.C79
Gene No.	33682	Strand	-
Start	1	End	1365
Name	OJ990617_14.9B23.C79.o1.tm	Method	TBLASTX:Maize
Start	989	End	1311
GI	none	Score	395

Exons	989..1156, 990..1304, 991..1284, 1057..1311		
Seq. No.	15930	Seq. ID	OJ990617_14.9B23.C81
Gene No.	33683	Strand	+
Start	1	End	658
Name	OJ990617_14.9B23.C81.o1.np	Method	AAT/NAP
Start	1	End	658
GI	6899925	Score	795
Exons	1..658		
GI Descrip.	(AL138651) P-glycoprotein-like proetin [Arabidopsis thaliana]		
Seq. No.	15930	Seq. ID	OJ990617_14.9B23.C81
Gene No.	33683	Strand	+
Start	1	End	658
Name	OJ990617_14.9B23.C81.o1.tc	Method	TBLASTX:Cress
Start	19	End	646
GI	none	Score	229
Exons	19..246, 19..252, 20..247, 20..274, 232..627, 233..634, 239..646, 242..541, 298..615		
Seq. No.	15930	Seq. ID	OJ990617_14.9B23.C81
Gene No.	33683	Strand	+
Start	1	End	658
Name	OJ990617_14.9B23.C81.o1.ts	Method	TBLASTX:Soybean
Start	19	End	604
GI	none	Score	274
Exons	19..270, 20..274, 232..402, 233..403, 400..597, 401..604		
Seq. No.	15930	Seq. ID	OJ990617_14.9B23.C81
Gene No.	33683	Strand	+
Start	1	End	658
Name	OJ990617_14.9B23.C81.o1.tm	Method	TBLASTX:Maize
Start	19	End	634
GI	none	Score	105
Exons	19..231, 19..633, 20..634		
Seq. No.	15930	Seq. ID	OJ990617_14.9B23.C81
Gene No.	33683	Strand	+
Start	1	End	658
Name	OJ990617_14.9B23.C81.o1.gs	Method	GENSCAN
Start	158	End	563
GI	none	Score	.82
Exons	158..563		
Seq. No.	15930	Seq. ID	OJ990617_14.9B23.C81
Gene No.	33683	Strand	+
Start	1	End	658
Name	OJ990617_14.9B23.C81.o1.tw	Method	TBLASTX:Wheat
Start	317	End	565
GI	none	Score	318
Exons	317..565, 325..564		
Seq. No.	15931	Seq. ID	OJ990617_14.9B23.C82
Gene No.	33684	Strand	+
Start	77	End	429
Name	OJ990617_14.9B23.C82.o1.gs	Method	GENSCAN
Start	77	End	429

GI	none	Score	.78
Exons	77..157, 256..429		

Seq. No.	15931	Seq. ID	OJ990617_14.9B23.C82
Gene No.	33685	Strand	+
Start	1076	End	1527
Name	OJ990617_14.9B23.C82.o1.np	Method	AAT/NAP
Start	1050	End	1527
GI	3548810	Score	127
Exons	1050..1527		
GI Descrip.	(AC005313) putative chloroplast nucleoid DNA binding protein [Arabidopsis thaliana]		

Seq. No.	15931	Seq. ID	OJ990617_14.9B23.C82
Gene No.	33685	Strand	+
Start	1076	End	1527
Name	OJ990617_14.9B23.C82.o2.gs	Method	GENSCAN
Start	1076	End	1503
GI	none	Score	.65
Exons	1076..1503		

Seq. No.	15932	Seq. ID	OJ990617_14.9B23.C83
Gene No.	33686	Strand	+
Start	240	End	695
Name	OJ990617_14.9B23.C83.o1.gs	Method	GENSCAN
Start	240	End	695
GI	none	Score	.45
Exons	240..359, 361..502, 562..695		

Seq. No.	15933	Seq. ID	OJ990617_14.9B23.C84
Gene No.	33687	Strand	+
Start	1	End	2294
Name	OJ990617_14.9B23.C84.o1.np	Method	AAT/NAP
Start	1	End	515
GI	6539553	Score	852
Exons	1..515		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi\|6539590\|dbj\|BAA88206.1\| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		

Seq. No.	15933	Seq. ID	OJ990617_14.9B23.C84
Gene No.	33687	Strand	+
Start	1	End	2294
Name	OJ990617_14.9B23.C84.o1.gs	Method	GENSCAN
Start	177	End	2294
GI	none	Score	.77
Exons	177..514, 1317..1466, 1622..1896, 2161..2294		

Seq. No.	15933	Seq. ID	OJ990617_14.9B23.C84
Gene No.	33688	Strand	-
Start	720	End	2235
Name	OJ990617_14.9B23.C84.o1.tw	Method	TBLASTX:Wheat
Start	3	End	379
GI	none	Score	514
Exons	3..344, 11..379, 12..341, 14..379		

Seq. No.	15933	Seq. ID	OJ990617_14.9B23.C84
Gene No.	33688	Strand	-
Start	720	End	2235
Name	OJ990617_14.9B23.C84.o2.np	Method	AAT/NAP
Start	720	End	2235
GI	1944504	Score	56
Exons	720..762, 2065..2235		
GI Descrip.	(D64036) protein cdc2 kinase [Oryza sativa]		

Seq. No.	15934	Seq. ID	OJ990617_14.9B23.C85
Gene No.	33689	Strand	+
Start	82	End	194
Name	OJ990617_14.9B23.C85.o1.gs	Method	GENSCAN
Start	82	End	194
GI	none	Score	.93
Exons	82..194		

Seq. No.	15934	Seq. ID	OJ990617_14.9B23.C85
Gene No.	33690	Strand	+
Start	4654	End	4791
Name	OJ990617_14.9B23.C85.o2.np	Method	AAT/NAP
Start	4654	End	4791
GI	5091523	Score	103
Exons	4654..4791		
GI Descrip.	(AB023482) Similar to Gallus gallus mRNA for attachment region binding protein (ARBP).(Y14166) [Oryza sativa]		

Seq. No.	15934	Seq. ID	OJ990617_14.9B23.C85
Gene No.	33691	Strand	-
Start	1303	End	2757
Name	OJ990617_14.9B23.C85.o2.gs	Method	GENSCAN
Start	1303	End	2757
GI	none	Score	.97
Exons	1303..2757		

Seq. No.	15934	Seq. ID	OJ990617_14.9B23.C85
Gene No.	33691	Strand	-
Start	1303	End	2757
Name	OJ990617_14.9B23.C85.o1.np	Method	AAT/NAP
Start	1309	End	2453
GI	4115538	Score	719
Exons	1309..2453		
GI Descrip.	(AB012116) UDP-glycose:flavonoid glycosyltransferase [Vigna mungo]		

Seq. No.	15934	Seq. ID	OJ990617_14.9B23.C85
Gene No.	33691	Strand	-
Start	1303	End	2757
Name	OJ990617_14.9B23.C85.o1.ts	Method	TBLASTX:Soybean
Start	1318	End	2715
GI	none	Score	45
Exons	1318..1494, 1319..1486, 1468..1788, 1504..1635, 1538..1747, 1808..1966, 1819..1965, 1978..2037, 2239..2409, 2503..2589, 2504..2572, 2614..2715, 2657..2695		

Seq. No.	15934	Seq. ID	OJ990617_14.9B23.C85
Gene No.	33691	Strand	-

Start	1303	End	2757
Name	OJ990617_14.9B23.C85.o1.tm	Method	TBLASTX:Maize
Start	1321	End	2755
GI	none	Score	118
Exons	1321..1542, 1325..1489, 1495..1941, 1501..1635, 1538..1942, 1939..2514, 1940..2512, 2485..2625, 2507..2614, 2602..2751, 2606..2755, 2669..2755		

Seq. No.	15934	Seq. ID	OJ990617_14.9B23.C85
Gene No.	33691	Strand	-
Start	1303	End	2757
Name	OJ990617_14.9B23.C85.o1.tc	Method	TBLASTX:Cress
Start	1639	End	2715
GI	none	Score	98
Exons	1639..1776, 1640..1747, 1805..1984, 1813..1983, 2053..2241, 2267..2407, 2275..2409, 2449..2493, 2491..2571, 2605..2715		

Seq. No.	15934	Seq. ID	OJ990617_14.9B23.C85
Gene No.	33691	Strand	-
Start	1303	End	2757
Name	OJ990617_14.9B23.C85.o1.tw	Method	TBLASTX:Wheat
Start	1646	End	2113
GI	none	Score	89
Exons	1646..1705, 1648..1704, 1706..1747, 1708..1752, 1738..2043, 1793..2044, 2050..2112, 2051..2113		

Seq. No.	15935	Seq. ID	OJ990617_14.9B23.C86
Gene No.	33692	Strand	+
Start	136	End	480
Name	OJ990617_14.9B23.C86.o1.gs	Method	GENSCAN
Start	136	End	480
GI	none	Score	.84
Exons	136..188, 363..480		

Seq. No.	15935	Seq. ID	OJ990617_14.9B23.C86
Gene No.	33693	Strand	-
Start	3356	End	6182
Name	OJ990617_14.9B23.C86.o2.gs	Method	GENSCAN
Start	3356	End	6112
GI	none	Score	.42
Exons	3356..3548, 3886..4078, 4349..4577, 4735..4959, 5149..5238, 5464..5583, 5700..5807, 5992..6112		

Seq. No.	15935	Seq. ID	OJ990617_14.9B23.C86
Gene No.	33693	Strand	-
Start	3356	End	6182
Name	OJ990617_14.9B23.C86.o1.np	Method	AAT/NAP
Start	4123	End	6182
GI	6069646	Score	958
Exons	4123..5112, 5395..6182		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	15935	Seq. ID	OJ990617_14.9B23.C86

Gene No.	33693	Strand	-
Start	3356	End	6182
Name	OJ990617_14.9B23.C86.o3.tw	Method	TBLASTX:Wheat
Start	4249	End	4600
GI	none	Score	69
Exons	4249..4296, 4411..4596, 4433..4600		

Seq. No.	15935	Seq. ID	OJ990617_14.9B23.C86
Gene No.	33693	Strand	-
Start	3356	End	6182
Name	OJ990617_14.9B23.C86.o2.tm	Method	TBLASTX:Maize
Start	4325	End	4611
GI	none	Score	106
Exons	4325..4609, 4330..4605, 4411..4611		

Seq. No.	15935	Seq. ID	OJ990617_14.9B23.C86
Gene No.	33693	Strand	-
Start	3356	End	6182
Name	OJ990617_14.9B23.C86.o4.tm	Method	TBLASTX:Maize
Start	4834	End	5118
GI	none	Score	42
Exons	4834..4929, 4879..4929, 4942..5118, 4943..5113		

Seq. No.	15935	Seq. ID	OJ990617_14.9B23.C86
Gene No.	33693	Strand	-
Start	3356	End	6182
Name	OJ990617_14.9B23.C86.o1.ts	Method	TBLASTX:Soybean
Start	5020	End	5559
GI	none	Score	161
Exons	5020..5148, 5179..5202, 5209..5559		

Seq. No.	15935	Seq. ID	OJ990617_14.9B23.C86
Gene No.	33693	Strand	-
Start	3356	End	6182
Name	OJ990617_14.9B23.C86.o1.tw	Method	TBLASTX:Wheat
Start	5098	End	5538
GI	none	Score	123
Exons	5098..5256, 5242..5538, 5246..5536		

Seq. No.	15935	Seq. ID	OJ990617_14.9B23.C86
Gene No.	33693	Strand	-
Start	3356	End	6182
Name	OJ990617_14.9B23.C86.o1.tm	Method	TBLASTX:Maize
Start	5179	End	5853
GI	none	Score	72
Exons	5179..5853, 5246..5452, 5528..5686, 5711..5815		

Seq. No.	15935	Seq. ID	OJ990617_14.9B23.C86
Gene No.	33693	Strand	-
Start	3356	End	6182
Name	OJ990617_14.9B23.C86.o2.tw	Method	TBLASTX:Wheat
Start	5653	End	5958
GI	none	Score	79
Exons	5653..5958, 5663..5809		

Seq. No.	15935	Seq. ID	OJ990617_14.9B23.C86
Gene No.	33693	Strand	-

Start	3356	End	6182
Name	OJ990617_14.9B23.C86.o3.tm	Method	TBLASTX:Maize
Start	5854	End	6127
GI	none	Score	145
Exons	5854..6126, 5855..6127		

Seq. No.	15936	Seq. ID	OJ990617_14.9B23.C87
Gene No.	33694	Strand	-
Start	83	End	775
Name	OJ990617_14.9B23.C87.o1.gs	Method	GENSCAN
Start	83	End	771
GI	none	Score	.98
Exons	83..771		

Seq. No.	15936	Seq. ID	OJ990617_14.9B23.C87
Gene No.	33694	Strand	-
Start	83	End	775
Name	OJ990617_14.9B23.C87.o2.tm	Method	TBLASTX:Maize
Start	94	End	379
GI	none	Score	148
Exons	94..378, 128..379		

Seq. No.	15936	Seq. ID	OJ990617_14.9B23.C87
Gene No.	33694	Strand	-
Start	83	End	775
Name	OJ990617_14.9B23.C87.o1.tm	Method	TBLASTX:Maize
Start	385	End	775
GI	none	Score	100
Exons	385..774, 494..673, 499..750, 707..775		

Seq. No.	15937	Seq. ID	OJ990617_14.9B23.C88
Gene No.	33695	Strand	-
Start	90	End	705
Name	OJ990617_14.9B23.C88.o1.gs	Method	GENSCAN
Start	90	End	705
GI	none	Score	.65
Exons	90..404, 459..705		

Seq. No.	15938	Seq. ID	OJ990617_14.9B23.C90
Gene No.	33696	Strand	-
Start	1034	End	1074
Name	OJ990617_14.9B23.C90.o1.gs	Method	GENSCAN
Start	1034	End	1074
GI	none	Score	.8
Exons	1034..1074		

Seq. No.	15939	Seq. ID	OJ990617_14.9B23.C91
Gene No.	33697	Strand	-
Start	1	End	3358
Name	OJ990617_14.9B23.C91.o1.np	Method	AAT/NAP
Start	1	End	3358
GI	1491621	Score	134
Exons	1..85, 138..1001, 2162..2532, 3320..3358		
GI Descrip.	(Z78205) UL36 [Bovine herpesvirus 1] gi\|2653311\|emb\|CAA06097\| (AJ004801) very large virion protein (tegument) [Bovine herpesvirus type 1.1]		

Seq. No.	15939	Seq. ID	OJ990617_14.9B23.C91
Gene No.	33697	Strand	-
Start	1	End	3358
Name	OJ990617_14.9B23.C91.o1.gs	Method	GENSCAN
Start	231	End	2611
GI	none	Score	.83
Exons	231..341, 525..828, 1140..1277, 2026..2611		

Seq. No.	15940	Seq. ID	OJ990617_14.9B23.C94
Gene No.	33698	Strand	-
Start	1	End	737
Name	OJ990617_14.9B23.C94.o1.np	Method	AAT/NAP
Start	1	End	737
GI	4558552	Score	168
Exons	1..230, 642..737		
GI Descrip.	(AC007138) putative P-glycoprotein-like protein [Arabidopsis thaliana]		

Seq. No.	15940	Seq. ID	OJ990617_14.9B23.C94
Gene No.	33698	Strand	-
Start	1	End	737
Name	OJ990617_14.9B23.C94.o1.gs	Method	GENSCAN
Start	42	End	192
GI	none	Score	.54
Exons	42..192		

Seq. No.	15941	Seq. ID	OJ990617_14.9B23.C96
Gene No.	33699	Strand	+
Start	25	End	114
Name	OJ990617_14.9B23.C96.o1.gp	Method	AAT/GAP
Start	25	End	114
GI	uC-osflcyp022c06b2	Score	137
Exons	25..114		
GI Descrip.	'5042437/gb\|AC007789.1\|AC007789 8.0e-25 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	15942	Seq. ID	OJ990617_14.9B23.C98
Gene No.	33700	Strand	-
Start	1	End	971
Name	OJ990617_14.9B23.C98.o2.tm	Method	TBLASTX:Maize
Start	1	End	271
GI	none	Score	123
Exons	1..267, 5..271, 7..264, 56..271		

Seq. No.	15942	Seq. ID	OJ990617_14.9B23.C98
Gene No.	33700	Strand	-
Start	1	End	971
Name	OJ990617_14.9B23.C98.o1.tc	Method	TBLASTX:Cress
Start	1	End	966
GI	none	Score	109
Exons	1..384, 7..267, 56..241, 56..385, 451..696, 494..718, 517..696, 772..966, 895..963		

Seq. No.	15942	Seq. ID	OJ990617_14.9B23.C98
Gene No.	33700	Strand	-
Start	1	End	971
Name	OJ990617_14.9B23.C98.o1.np	Method	AAT/NAP

Start	1	End	971
GI	3522943	Score	870
Exons	1..379, 452..690, 784..971		
GI Descrip.	(AC004411) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	15942	Seq. ID	OJ990617_14.9B23.C98
Gene No.	33700	Strand	-
Start	1	End	971
Name	OJ990617_14.9B23.C98.o1.ts	Method	TBLASTX:Soybean
Start	1	End	375
GI	none	Score	194
Exons	1..375, 7..363, 56..373		

Seq. No.	15942	Seq. ID	OJ990617_14.9B23.C98
Gene No.	33700	Strand	-
Start	1	End	971
Name	OJ990617_14.9B23.C98.o1.gs	Method	GENSCAN
Start	63	End	921
GI	none	Score	1
Exons	63..379, 452..690, 784..921		

Seq. No.	15942	Seq. ID	OJ990617_14.9B23.C98
Gene No.	33700	Strand	-
Start	1	End	971
Name	OJ990617_14.9B23.C98.o1.tm	Method	TBLASTX:Maize
Start	277	End	630
GI	none	Score	135
Exons	277..378, 278..382, 282..395, 449..628, 450..629, 451..630, 452..628, 519..629		

Seq. No.	15942	Seq. ID	OJ990617_14.9B23.C98
Gene No.	33700	Strand	-
Start	1	End	971
Name	OJ990617_14.9B23.C98.o2.ts	Method	TBLASTX:Soybean
Start	451	End	693
GI	none	Score	122
Exons	451..693, 452..691		

Seq. No.	15943	Seq. ID	OJ990617_14.9B23.C99
Gene No.	33701	Strand	+
Start	2726	End	4375
Name	OJ990617_14.9B23.C99.o2.gs	Method	GENSCAN
Start	2726	End	4375
GI	none	Score	.78
Exons	2726..2730, 3991..4375		

Seq. No.	15943	Seq. ID	OJ990617_14.9B23.C99
Gene No.	33702	Strand	-
Start	1	End	2343
Name	OJ990617_14.9B23.C99.o1.np	Method	AAT/NAP
Start	1	End	2271
GI	4558552	Score	361
Exons	1..199, 783..837, 2056..2271		
GI Descrip.	(AC007138) putative P-glycoprotein-like protein [Arabidopsis thaliana]		

Seq. No.	15943	Seq. ID	OJ990617_14.9B23.C99

Gene No.	33702	Strand	-
Start	1	End	2343
Name	OJ990617_14.9B23.C99.o1:gs	Method	GENSCAN
Start	24	End	2343
GI	none	Score	.87
Exons	24..199, 783..837, 2056..2343		

Seq. No.	15943	Seq. ID	OJ990617_14.9B23.C99
Gene No.	33703	Strand	-
Start	6012	End	6161
Name	OJ990617_14.9B23.C99.o1.tc	Method	TBLASTX:Cress
Start	10	End	2235
GI	none	Score	106
Exons	10..216, 12..215, 72..200, 2089..2235		

Seq. No.	15943	Seq. ID	OJ990617_14.9B23.C99
Gene No.	33703	Strand	-
Start	6012	End	6161
Name	OJ990617_14.9B23.C99.o1.tm	Method	TBLASTX:Maize
Start	5643	End	5877
GI	none	Score	97
Exons	5643..5762, 5651..5755, 5652..5759, 5747..5863, 5748..5861, 5755..5862, 5755..5877		

Seq. No.	15943	Seq. ID	OJ990617_14.9B23.C99
Gene No.	33703	Strand	-
Start	6012	End	6161
Name	OJ990617_14.9B23.C99.o2.np	Method	AAT/NAP
Start	5645	End	5779
GI	4539658	Score	90
Exons	5645..5779		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	15943	Seq. ID	OJ990617_14.9B23.C99
Gene No.	33703	Strand	-
Start	6012	End	6161
Name	OJ990617_14.9B23.C99.o3.gs	Method	GENSCAN
Start	6012	End	6161
GI	none	Score	.51
Exons	6012..6161		

Seq. No.	15944	Seq. ID	OJ990617_14.9B23.C100
Gene No.	33704	Strand	+
Start	1750	End	1914
Name	OJ990617_14.9B23.C100.o1.gs	Method	GENSCAN
Start	1750	End	1914
GI	none	Score	.88
Exons	1750..1914		

Seq. No.	15944	Seq. ID	OJ990617_14.9B23.C100
Gene No.	33705	Strand	-
Start	3145	End	3234
Name	OJ990617_14.9B23.C100.o1.gp	Method	AAT/GAP
Start	3145	End	3234
GI	uC-osflcyp022c06b2	Score	137
Exons	3145..3234		

GI Descrip.	'5042437/gb\|AC007789.1\|AC007789 8.0e-25 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		
Seq. No.	15945	Seq. ID	OJ990617_14.9B23.C101
Gene No.	33706	Strand	+
Start	87	End	1356
Name	OJ990617_14.9B23.C101.o1.gs	Method	GENSCAN
Start	87	End	1356
GI	none	Score	.41
Exons	87..147, 1136..1356		
Seq. No.	15945	Seq. ID	OJ990617_14.9B23.C101
Gene No.	33707	Strand	-
Start	1676	End	2628
Name	OJ990617_14.9B23.C101.o2.gs	Method	GENSCAN
Start	1676	End	2628
GI	none	Score	.76
Exons	1676..1888, 1916..2014, 2545..2628		
Seq. No.	15946	Seq. ID	OJ990617_14.9B23.C102
Gene No.	33708	Strand	-
Start	190	End	789
Name	OJ990617_14.9B23.C102.o1.np	Method	AAT/NAP
Start	190	End	789
GI	82486	Score	113
Exons	190..341, 689..789		
GI Descrip.	hypothetical protein 3 - rice gi\|20381\|emb\|CAA29824\| (X06611) put. ORF 1 [Oryza sativa]		
Seq. No.	15947	Seq. ID	OJ990617_14.9B23.C104
Gene No.	33709	Strand	-
Start	1	End	234
Name	OJ990617_14.9B23.C104.o1.gp	Method	AAT/GAP
Start	1	End	234
GI	45844_1.R1084	Score	452
Exons	1..234		
GI Descrip.	'5816991/emb\|CAB53646.1\| 1.0e-35 (AL110123) multidrug resistance protein/P-glycoprotein-like [Arabidopsis thaliana]'		
Seq. No.	15948	Seq. ID	OJ990617_14.9B23.C106
Gene No.	33710	Strand	-
Start	78	End	438
Name	OJ990617_14.9B23.C106.o1.gs	Method	GENSCAN
Start	78	End	438
GI	none	Score	.84
Exons	78..257, 408..438		
Seq. No.	15949	Seq. ID	OJ990617_14.9B23.C107
Gene No.	33711	Strand	
Start	356	End	640
Name	OJ990617_14.9B23.C107.o1.tm	Method	TBLASTX:Maize
Start	356	End	640
GI	none	Score	318
Exons	356..640, 360..635		
Seq. No.	15950	Seq. ID	OJ990617_14.9B23.C108
Gene No.	33712	Strand	+

Start	387	End	701
Name	OJ990617_14.9B23.C108.o1.tm	Method	TBLASTX:Maize
Start	195	End	701
GI	none	Score	60
Exons	195..284, 196..267, 200..271, 379..432, 387..605, 387..590, 451..597, 591..701, 602..700		

Seq. No.	15950	Seq. ID	OJ990617_14.9B23.C108
Gene No.	33712	Strand	+
Start	387	End	701
Name	OJ990617_14.9B23.C108.o1.gs	Method	GENSCAN
Start	387	End	599
GI	none	Score	.81
Exons	387..599		

Seq. No.	15951	Seq. ID	OJ990617_14.9B23.C109
Gene No.	33713	Strand	-
Start	91	End	429
Name	OJ990617_14.9B23.C109.o1.gs	Method	GENSCAN
Start	91	End	429
GI	none	Score	.85
Exons	91..303, 331..429		

Seq. No.	15952	Seq. ID	OJ990617_14.9B23.C111
Gene No.	33714	Strand	-
Start	65	End	309
Name	OJ990617_14.9B23.C111.o1.tm	Method	TBLASTX:Maize
Start	1	End	309
GI	none	Score	60
Exons	1..48, 16..48, 67..309, 96..305		

Seq. No.	15952	Seq. ID	OJ990617_14.9B23.C111
Gene No.	33714	Strand	-
Start	65	End	309
Name	OJ990617_14.9B23.C111.o1.gs	Method	GENSCAN
Start	65	End	296
GI	none	Score	.45
Exons	65..296		

Seq. No.	15952	Seq. ID	OJ990617_14.9B23.C111
Gene No.	33714	Strand	-
Start	65	End	309
Name	OJ990617_14.9B23.C111.o1.ts	Method	TBLASTX:Soybean
Start	87	End	309
GI	none	Score	155
Exons	87..308, 97..309		

Seq. No.	15953	Seq. ID	OJ990617_14.9B23.C112
Gene No.	33715	Strand	+
Start	413	End	445
Name	OJ990617_14.9B23.C112.o1.gs	Method	GENSCAN
Start	413	End	445
GI	none	Score	.7
Exons	413..445		

Seq. No.	15954	Seq. ID	OJ990617_14.9B23.C114
Gene No.	33716	Strand	-

Start	27	End	164
Name	OJ990617_14.9B23.C114.o1.gs	Method	GENSCAN
Start	27	End	164
GI	none	Score	.98
Exons	27..164		

Seq. No.	15955	Seq. ID	OJ990617_14.9B23.C116
Gene No.	33717	Strand	-
Start	1	End	733
Name	OJ990617_14.9B23.C116.o1.np	Method	AAT/NAP
Start	1	End	733
GI	5816991	Score	197
Exons	1..22, 450..733		
GI Descrip.	(AL110123) multidrug resistance protein/P-glycoprotein-like [Arabidopsis thaliana]		

Seq. No.	15955	Seq. ID	OJ990617_14.9B23.C116
Gene No.	33717	Strand	-
Start	1	End	733
Name	OJ990617_14.9B23.C116.o1.tm	Method	TBLASTX:Maize
Start	449	End	629
GI	none	Score	147
Exons	449..628, 453..629, 456..629		

Seq. No.	15955	Seq. ID	OJ990617_14.9B23.C116
Gene No.	33717	Strand	-
Start	1	End	733
Name	OJ990617_14.9B23.C116.o1.ts	Method	TBLASTX:Soybean
Start	449	End	691
GI	none	Score	84
Exons	449..691, 459..608		

Seq. No.	15955	Seq. ID	OJ990617_14.9B23.C116
Gene No.	33717	Strand	-
Start	1	End	733
Name	OJ990617_14.9B23.C116.o1.gs	Method	GENSCAN
Start	450	End	688
GI	none	Score	.56
Exons	450..688		

Seq. No.	15956	Seq. ID	OJ990617_14.9B23.C117
Gene No.	33718	Strand	-
Start	192	End	648
Name	OJ990617_14.9B23.C117.o1.gs	Method	GENSCAN
Start	192	End	566
GI	none	Score	.79
Exons	192..246, 333..566		

Seq. No.	15956	Seq. ID	OJ990617_14.9B23.C117
Gene No.	33718	Strand	-
Start	192	End	648
Name	OJ990617_14.9B23.C117.o1.np	Method	AAT/NAP
Start	192	End	648
GI	3522943	Score	116
Exons	192..252, 342..648		
GI Descrip.	(AC004411) putative ABC transporter [Arabidopsis thaliana]		

Seq. No.	15957	Seq. ID	OJ990617_13.9B24.C1
Gene No.	33719	Strand	-
Start	1	End	12479
Name	OJ990617_13.9B24.C1.o1.np	Method	AAT/NAP
Start	1	End	12479
GI	6714410	Score	787
Exons	1..497, 1121..1281, 1395..1587, 3162..3225, 3559..3724, 3799..3904, 4959..5122, 5749..5883, 5953..6178, 12431..12479		
GI Descrip.	(AC012328) unknown protein [Arabidopsis thaliana]		

Seq. No.	15957	Seq. ID	OJ990617_13.9B24.C1
Gene No.	33719	Strand	-
Start	1	End	12479
Name	OJ990617_13.9B24.C1.o1.gs	Method	GENSCAN
Start	1395	End	3814
GI	none	Score	.82
Exons	1395..1587, 3162..3252, 3592..3723, 3799..3814		

Seq. No.	15957	Seq. ID	OJ990617_13.9B24.C1
Gene No.	33719	Strand	-
Start	1	End	12479
Name	OJ990617_13.9B24.C1.o1.gp	Method	AAT/GAP
Start	3597	End	5129
GI	426419	Score	705
Exons	3597..3723, 3799..3924, 4982..5129		

Seq. No.	15957	Seq. ID	OJ990617_13.9B24.C1
Gene No.	33719	Strand	-
Start	1	End	12479
Name	OJ990617_13.9B24.C1.o2.gs	Method	GENSCAN
Start	4558	End	6399
GI	none	Score	.78
Exons	4558..4579, 4870..4937, 4982..5122, 5243..5304, 5385..5472, 5749..5976, 6007..6178, 6293..6399		

Seq. No.	15957	Seq. ID	OJ990617_13.9B24.C1
Gene No.	33719	Strand	-
Start	1	End	12479
Name	OJ990617_13.9B24.C1.o3.gs	Method	GENSCAN
Start	7342	End	12255
GI	none	Score	.78
Exons	7342..7649, 11051..11104, 11453..11564, 11994..12255		

Seq. No.	15957	Seq. ID	OJ990617_13.9B24.C1
Gene No.	33719	Strand	-
Start	1	End	12479
Name	OJ990617_13.9B24.C1.o2.gp	Method	AAT/GAP
Start	12018	End	12295
GI	none	Score	437
Exons	12018..12295		

Seq. No.	15958	Seq. ID	OJ990617_13.9B24.C2
Gene No.	33720	Strand	+
Start	5656	End	9566
Name	OJ990617_13.9B24.C2.o1.np	Method	AAT/NAP
Start	5656	End	9566
GI	4206306	Score	2876

Exons	5656..9566		
GI Descrip.	(AF049110) prpol [Zea mays]		
Seq. No.	15958	Seq. ID	OJ990617_13.9B24.C2
Gene No.	33721	Strand	-
Start	11459	End	17886
Name	OJ990617_13.9B24.C2.o5.tw	Method	TBLASTX:Wheat
Start	5902	End	6244
GI	none	Score	66
Exons	5902..6033, 6029..6244, 6067..6243		
Seq. No.	15958	Seq. ID	OJ990617_13.9B24.C2
Gene No.	33721	Strand	-
Start	11459	End	17886
Name	OJ990617_13.9B24.C2.o2.tw	Method	TBLASTX:Wheat
Start	6449	End	6903
GI	none	Score	357
Exons	6449..6820, 6475..6813, 6509..6820, 6820..6903, 6831..6902		
Seq. No.	15958	Seq. ID	OJ990617_13.9B24.C2
Gene No.	33721	Strand	-
Start	11459	End	17886
Name	OJ990617_13.9B24.C2.o2.tm	Method	TBLASTX:Maize
Start	6577	End	6933
GI	none	Score	276
Exons	6577..6810, 6578..6811, 6768..6932, 6817..6933		
Seq. No.	15958	Seq. ID	OJ990617_13.9B24.C2
Gene No.	33721	Strand	-
Start	11459	End	17886
Name	OJ990617_13.9B24.C2.o1.tm	Method	TBLASTX:Maize
Start	6961	End	7344
GI	none	Score	398
Exons	6961..7344, 7071..7331		
Seq. No.	15958	Seq. ID	OJ990617_13.9B24.C2
Gene No.	33721	Strand	-
Start	11459	End	17886
Name	OJ990617_13.9B24.C2.o1.tw	Method	TBLASTX:Wheat
Start	7018	End	7442
GI	none	Score	453
Exons	7018..7437, 7018..7410, 7071..7442		
Seq. No.	15958	Seq. ID	OJ990617_13.9B24.C2
Gene No.	33721	Strand	-
Start	11459	End	17886
Name	OJ990617_13.9B24.C2.o1.ts	Method	TBLASTX:Soybean
Start	7063	End	7437
GI	none	Score	267
Exons	7063..7437, 7113..7256		
Seq. No.	15958	Seq. ID	OJ990617_13.9B24.C2
Gene No.	33721	Strand	-
Start	11459	End	17886
Name	OJ990617_13.9B24.C2.o3.tw	Method	TBLASTX:Wheat
Start	7712	End	8144
GI	none	Score	287

Exons	7712..8137, 7713..8144		
Seq. No.	15958	Seq. ID	OJ990617_13.9B24.C2
Gene No.	33721	Strand	-
Start	11459	End	17886
Name	OJ990617_13.9B24.C2.o5.tm	Method	TBLASTX:Maize
Start	8079	End	8324
GI	none	Score	190
Exons	8079..8324		
Seq. No.	15958	Seq. ID	OJ990617_13.9B24.C2
Gene No.	33721	Strand	-
Start	11459	End	17886
Name	OJ990617_13.9B24.C2.o4.tm	Method	TBLASTX:Maize
Start	8349	End	8613
GI	none	Score	217
Exons	8349..8612, 8392..8613, 8474..8611		
Seq. No.	15958	Seq. ID	OJ990617_13.9B24.C2
Gene No.	33721	Strand	-
Start	11459	End	17886
Name	OJ990617_13.9B24.C2.o4.tw	Method	TBLASTX:Wheat
Start	8454	End	8840
GI	none	Score	259
Exons	8454..8840		
Seq. No.	15958	Seq. ID	OJ990617_13.9B24.C2
Gene No.	33721	Strand	-
Start	11459	End	17886
Name	OJ990617_13.9B24.C2.o3.tm	Method	TBLASTX:Maize
Start	8613	End	8976
GI	none	Score	208
Exons	8613..8840, 8705..8839, 8835..8975, 8839..8976		
Seq. No.	15958	Seq. ID	OJ990617_13.9B24.C2
Gene No.	33721	Strand	-
Start	11459	End	17886
Name	OJ990617_13.9B24.C2.o6.tw	Method	TBLASTX:Wheat
Start	8962	End	9541
GI	none	Score	100
Exons	8962..9081, 9118..9240, 9122..9241, 9434..9541		
Seq. No.	15958	Seq. ID	OJ990617_13.9B24.C2
Gene No.	33721	Strand	-
Start	11459	End	17886
Name	OJ990617_13.9B24.C2.o2.gs	Method	GENSCAN
Start	11459	End	17886
GI	none	Score	.51
Exons	11459..11635, 11740..11993, 12086..12262, 12332..12646, 12814..12993, 13058..13271, 13527..13641, 13795..13891, 14108..14240, 15025..15157, 16356..16398, 16928..16986, 17065..17165, 17698..17886		
Seq. No.	15958	Seq. ID	OJ990617_13.9B24.C2
Gene No.	33721	Strand	-
Start	11459	End	17886
Name	OJ990617_13.9B24.C2.o2.np	Method	AAT/NAP

Start	14243	End	15889
GI	6721516	Score	483
Exons	14243..14388, 14886..15233, 15648..15889		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	15959	Seq. ID	OJ990617_13.9B24.C3
Gene No.	33722	Strand	-
Start	64	End	847
Name	OJ990617_13.9B24.C3.o1.gs	Method	GENSCAN
Start	64	End	847
GI	none	Score	.42
Exons	64..174, 707..847		

Seq. No.	15960	Seq. ID	OJ990617_13.9B24.C4
Gene No.	33723	Strand	+
Start	5392	End	6217
Name	OJ990617_13.9B24.C4.o2.np	Method	AAT/NAP
Start	5392	End	6217
GI	6498461	Score	816
Exons	5392..5472, 5697..5783, 5810..6217		
GI Descrip.	(AP000816) hypothetical protein [Oryza sativa]		

Seq. No.	15960	Seq. ID	OJ990617_13.9B24.C4
Gene No.	33723	Strand	+
Start	5392	End	6217
Name	OJ990617_13.9B24.C4.o3.gs	Method	GENSCAN
Start	5392	End	6171
GI	none	Score	.56
Exons	5392..5472, 5697..5830, 6012..6171		

Seq. No.	15960	Seq. ID	OJ990617_13.9B24.C4
Gene No.	33724	Strand	-
Start	288	End	1878
Name	OJ990617_13.9B24.C4.o1.gs	Method	GENSCAN
Start	288	End	1878
GI	none	Score	.98
Exons	288..1115, 1192..1878		

Seq. No.	15960	Seq. ID	OJ990617_13.9B24.C4
Gene No.	33724	Strand	-
Start	288	End	1878
Name	OJ990617_13.9B24.C4.o1.np	Method	AAT/NAP
Start	339	End	1821
GI	4835245	Score	841
Exons	339..1821		
GI Descrip.	(AL049862) putative mitochondrial protein [Arabidopsis thaliana]		

Seq. No.	15960	Seq. ID	OJ990617_13.9B24.C4
Gene No.	33725	Strand	-
Start	2668	End	3483
Name	OJ990617_13.9B24.C4.o1.tc	Method	TBLASTX:Cress
Start	372	End	713
GI	none	Score	131
Exons	372..497, 498..713, 511..705		

Seq. No.	15960	Seq. ID	OJ990617_13.9B24.C4
Gene No.	33725	Strand	-

Start	2668	End	3483
Name	OJ990617_13.9B24.C4.o2.tm	Method	TBLASTX:Maize
Start	372	End	588
GI	none	Score	38
Exons	372..410, 372..587, 445..588		

Seq. No.	15960	Seq. ID	OJ990617_13.9B24.C4
Gene No.	33725	Strand	-
Start	2668	End	3483
Name	OJ990617_13.9B24.C4.o1.tw	Method	TBLASTX:Wheat
Start	372	End	657
GI	none	Score	40
Exons	372..416, 372..458, 450..656, 451..657		

Seq. No.	15960	Seq. ID	OJ990617_13.9B24.C4
Gene No.	33725	Strand	-
Start	2668	End	3483
Name	OJ990617_13.9B24.C4.o1.ts	Method	TBLASTX:Soybean
Start	420	End	1160
GI	none	Score	109
Exons	420..716, 445..705, 588..716, 822..1160, 847..897, 1000..1059		

Seq. No.	15960	Seq. ID	OJ990617_13.9B24.C4
Gene No.	33725	Strand	-
Start	2668	End	3483
Name	OJ990617_13.9B24.C4.o1.tm	Method	TBLASTX:Maize
Start	588	End	1160
GI	none	Score	132
Exons	588..707, 588..707, 822..1160, 847..891, 1002..1133		

Seq. No.	15960	Seq. ID	OJ990617_13.9B24.C4
Gene No.	33725	Strand	-
Start	2668	End	3483
Name	OJ990617_13.9B24.C4.o2.tc	Method	TBLASTX:Cress
Start	963	End	1169
GI	none	Score	168
Exons	963..1025, 1026..1169		

Seq. No.	15960	Seq. ID	OJ990617_13.9B24.C4
Gene No.	33725	Strand	-
Start	2668	End	3483
Name	OJ990617_13.9B24.C4.o3.tm	Method	TBLASTX:Maize
Start	1387	End	1800
GI	none	Score	141
Exons	1387..1800, 1403..1657, 1540..1719		

Seq. No.	15960	Seq. ID	OJ990617_13.9B24.C4
Gene No.	33725	Strand	-
Start	2668	End	3483
Name	OJ990617_13.9B24.C4.o2.gs	Method	GENSCAN
Start	2668	End	3483
GI	none	Score	.62
Exons	2668..3483		

Seq. No.	15961	Seq. ID	OJ990617_13.9B24.C5
Gene No.	33726	Strand	+
Start	319	End	387

Name	OJ990617_13.9B24.C5.o1.gs	Method	GENSCAN
Start	319	End	387
GI	none	Score	.89
Exons	319..387		

Seq. No.	15961	Seq. ID	OJ990617_13.9B24.C5
Gene No.	33727	Strand	+
Start	2568	End	3134
Name	OJ990617_13.9B24.C5.o2.gs	Method	GENSCAN
Start	2568	End	3134
GI	none	Score	.64
Exons	2568..2671, 3074..3134		

Seq. No.	15961	Seq. ID	OJ990617_13.9B24.C5
Gene No.	33728	Strand	-
Start	4108	End	6477
Name	OJ990617_13.9B24.C5.o1.gp	Method	AAT/GAP
Start	3830	End	4283
GI	LIB3431-045-P1-N1-A10	Score	848
Exons	3830..4283		
GI Descrip.	'5441876/dbj\|AP000367.1\|AP000367 0.0e+00 Oryza sativa genomic DNA, chromosome 2, clone:P0437H03 (contig b)'		

Seq. No.	15961	Seq. ID	OJ990617_13.9B24.C5
Gene No.	33728	Strand	-
Start	4108	End	6477
Name	OJ990617_13.9B24.C5.o2.np	Method	AAT/NAP
Start	3870	End	6477
GI	6815062	Score	125
Exons	3870..3889, 5794..6051, 6144..6477		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC F16P2 genomic sequence;mudrA like protein (AC004561) [Oryza sativa]		

Seq. No.	15961	Seq. ID	OJ990617_13.9B24.C5
Gene No.	33728	Strand	-
Start	4108	End	6477
Name	OJ990617_13.9B24.C5.o3.gs	Method	GENSCAN
Start	4108	End	6306
GI	none	Score	.53
Exons	4108..4268, 4404..4437, 4504..4621, 4738..4869, 4970..5025, 5183..5365, 5458..5664, 5906..6091, 6181..6306		

Seq. No.	15961	Seq. ID	OJ990617_13.9B24.C5
Gene No.	33728	Strand	-
Start	4108	End	6477
Name	OJ990617_13.9B24.C5.o1.np	Method	AAT/NAP
Start	4387	End	6091
GI	5441880	Score	1608
Exons	4387..4621, 4738..4869, 5116..5213, 5458..5716, 5793..6091		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	15961	Seq. ID	OJ990617_13.9B24.C5
Gene No.	33728	Strand	-
Start	4108	End	6477

Name	OJ990617_13.9B24.C5.o2.gp	Method	AAT/GAP
Start	5466	End	5965
GI	LIB3475-007-P1-K1-G8	Score	785
Exons	5466..5716, 5793..5965		
GI Descrip.	'5441880/dbj\|BAA82378.1\| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	15962	Seq. ID	OJ990617_13.9B24.C6
Gene No.	33729	Strand	-
Start	1	End	1704
Name	OJ990617_13.9B24.C6.o1.np	Method	AAT/NAP
Start	1	End	1704
GI	5441880	Score	768
Exons	1..38, 1104..1444, 1550..1704		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	15962	Seq. ID	OJ990617_13.9B24.C6
Gene No.	33729	Strand	-
Start	1	End	1704
Name	OJ990617_13.9B24.C6.o1.tw	Method	TBLASTX:Wheat
Start	955	End	1386
GI	none	Score	95
Exons	955..987, 1105..1140, 1195..1323, 1205..1324, 1333..1386		

Seq. No.	15963	Seq. ID	OJ990617_13.9B24.C7
Gene No.	33730	Strand	-
Start	1	End	3035
Name	OJ990617_13.9B24.C7.o1.np	Method	AAT/NAP
Start	1	End	1964
GI	5441880	Score	2142
Exons	1..228, 487..518, 962..1964		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	15963	Seq. ID	OJ990617_13.9B24.C7
Gene No.	33730	Strand	-
Start	1	End	3035
Name	OJ990617_13.9B24.C7.o1.gs	Method	GENSCAN
Start	189	End	2135
GI	none	Score	.44
Exons	189..843, 1008..1604, 1769..1911, 1940..2135		

Seq. No.	15963	Seq. ID	OJ990617_13.9B24.C7
Gene No.	33730	Strand	-
Start	1	End	3035
Name	OJ990617_13.9B24.C7.o1.tw	Method	TBLASTX:Wheat
Start	733	End	1112
GI	none	Score	63
Exons	733..873, 794..877, 906..1103, 918..1112		

Seq. No.	15963	Seq. ID	OJ990617_13.9B24.C7
Gene No.	33730	Strand	-
Start	1	End	3035

Name	OJ990617_13.9B24.C7.o1.gp	Method	AAT/GAP
Start	932	End	1363
GI	5701669	Score	849
Exons	932..1363		
GI Descrip.	5441880/dbj\|BAA82378.1\| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	15963	Seq. ID	OJ990617_13.9B24.C7
Gene No.	33730	Strand	-
Start	1	End	3035
Name	OJ990617_13.9B24.C7.o1.tm	Method	TBLASTX:Maize
Start	945	End	1406
GI	none	Score	145
Exons	945..1244, 1006..1197, 1278..1406, 1300..1398		

Seq. No.	15963	Seq. ID	OJ990617_13.9B24.C7
Gene No.	33730	Strand	-
Start	1	End	3035
Name	OJ990617_13.9B24.C7.o2.np	Method	AAT/NAP
Start	1977	End	3035
GI	6721543	Score	178
Exons	1977..2093, 2907..3035		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	15963	Seq. ID	OJ990617_13.9B24.C7
Gene No.	33730	Strand	-
Start	1	End	3035
Name	OJ990617_13.9B24.C7.o2.gp	Method	AAT/GAP
Start	2869	End	3020
GI	7406_1.R1084	Score	230
Exons	2869..3020		
GI Descrip.	'1122315/emb\|CAA63901\| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	15964	Seq. ID	OJ990617_13.9B24.C8
Gene No.	33731	Strand	+
Start	93	End	1021
Name	OJ990617_13.9B24.C8.o1.gs	Method	GENSCAN
Start	93	End	1021
GI	none	Score	.76
Exons	93..189, 671..800, 874..1021		

Seq. No.	15964	Seq. ID	OJ990617_13.9B24.C8
Gene No.	33732	Strand	+
Start	6960	End	10219
Name	OJ990617_13.9B24.C8.o2.np	Method	AAT/NAP
Start	6960	End	10219
GI	4755191	Score	67
Exons	6960..6981, 9877..10219		
GI Descrip.	(AC007018) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	15964	Seq. ID	OJ990617_13.9B24.C8
Gene No.	33733	Strand	+
Start	11859	End	14815
Name	OJ990617_13.9B24.C8.o3.np	Method	AAT/NAP

Start	11472	End	14670
GI	6539588	Score	182
Exons	11472..11498, 12214..12465, 14585..14670		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	15964	Seq. ID	OJ990617_13.9B24.C8
Gene No.	33733	Strand	+
Start	11859	End	14815
Name	OJ990617_13.9B24.C8.o3.gs	Method	GENSCAN
Start	11859	End	14815
GI	none	Score	.68
Exons	11859..11978, 12245..12461, 12779..12977, 13031..13751, 14156..14336, 14448..14815		

Seq. No.	15964	Seq. ID	OJ990617_13.9B24.C8
Gene No.	33734	Strand	-
Start	3262	End	9235
Name	OJ990617_13.9B24.C8.o2.gs	Method	GENSCAN
Start	3262	End	9235
GI	none	Score	.66
Exons	3262..3506, 3835..4506, 4678..4923, 5332..5466, 6549..6699, 6849..6975, 7220..7403, 7732..7968, 8253..8384, 8470..8538, 8828..8929, 9181..9235		

Seq. No.	15964	Seq. ID	OJ990617_13.9B24.C8
Gene No.	33734	Strand	-
Start	3262	End	9235
Name	OJ990617_13.9B24.C8.o1.np	Method	AAT/NAP
Start	3388	End	7981
GI	6815052	Score	1769
Exons	3388..3506, 3775..3854, 3936..4624, 4673..4822, 5591..5683, 6549..6651, 7287..7403, 7672..7742, 7824..7981		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	15964	Seq. ID	OJ990617_13.9B24.C8
Gene No.	33734	Strand	-
Start	3262	End	9235
Name	OJ990617_13.9B24.C8.o2.tw	Method	TBLASTX:Wheat
Start	4729	End	5377
GI	none	Score	78
Exons	4729..4797, 4883..5173, 5198..5377		

Seq. No.	15964	Seq. ID	OJ990617_13.9B24.C8
Gene No.	33735	Strand	
Start	10011	End	10368
Name	OJ990617_13.9B24.C8.o1.tw	Method	TBLASTX:Wheat
Start	10011	End	10368
GI	none	Score	217
Exons	10011..10070, 10012..10236, 10125..10208, 10303..10368		

Seq. No.	15965	Seq. ID	OJ990617_13.9B24.C10
Gene No.	33736	Strand	+
Start	1	End	5088
Name	OJ990617_13.9B24.C10.o1.np	Method	AAT/NAP
Start	1	End	2982
GI	4263792	Score	614
Exons	1..72, 204..257, 776..889, 1684..1831, 1934..2053, 2655..2741,		

	2818..2982		
GI Descrip.	(AC006068) unknown protein [Arabidopsis thaliana]		
Seq. No.	15965	Seq. ID	OJ990617_13.9B24.C10
Gene No.	33736	Strand	+
Start	1	End	5088
Name	OJ990617_13.9B24.C10.o1.gp	Method	AAT/GAP
Start	1731	End	1842
GI	LIB3477-002-P1-K1-H11	Score	181
Exons	1731..1842		
GI Descrip.	'3608127 3.0e-28 (AC005314) unknown protein [Arabidopsis thaliana]'		
Seq. No.	15965	Seq. ID	OJ990617_13.9B24.C10
Gene No.	33736	Strand	+
Start	1	End	5088
Name	OJ990617_13.9B24.C10.o1.gs	Method	GENSCAN
Start	1733	End	5088
GI	none	Score	.9
Exons	1733..1831, 1934..2053, 2655..2741, 2818..2988, 4918..5088		
Seq. No.	15965	Seq. ID	OJ990617_13.9B24.C10
Gene No.	33737	Strand	-
Start	5735	End	6356
Name	OJ990617_13.9B24.C10.o2.tc	Method	TBLASTX:Cress
Start	46	End	1828
GI	none	Score	71
Exons	46..99, 186..260, 774..890, 775..897, 776..892, 1714..1815, 1718..1828		
Seq. No.	15965	Seq. ID	OJ990617_13.9B24.C10
Gene No.	33737	Strand	-
Start	5735	End	6356
Name	OJ990617_13.9B24.C10.o1.tm	Method	TBLASTX:Maize
Start	189	End	2011
GI	none	Score	98
Exons	189..260, 195..257, 203..262, 768..890, 775..891, 776..892, 776..892, 1714..1839, 1718..1840, 1730..1840, 1931..2008, 1937..2011		
Seq. No.	15965	Seq. ID	OJ990617_13.9B24.C10
Gene No.	33737	Strand	-
Start	5735	End	6356
Name	OJ990617_13.9B24.C10.o2.ts	Method	TBLASTX:Soybean
Start	215	End	1834
GI	none	Score	60
Exons	215..262, 216..260, 775..891, 776..892, 779..892, 780..896, 1718..1834, 1732..1833		
Seq. No.	15965	Seq. ID	OJ990617_13.9B24.C10
Gene No.	33737	Strand	-
Start	5735	End	6356
Name	OJ990617_13.9B24.C10.o1.tc	Method	TBLASTX:Cress
Start	2817	End	2981
GI	none	Score	47
Exons	2817..2873, 2823..2876, 2824..2889, 2892..2957, 2892..2981, 2893..2979		

Seq. No.	15965	Seq. ID	OJ990617_13.9B24.C10
Gene No.	33737	Strand	-
Start	5735	End	6356
Name	OJ990617_13.9B24.C10.o1.ts	Method	TBLASTX:Soybean
Start	2817	End	2982
GI	none	Score	111
Exons	2817..2957, 2823..2978, 2824..2982		

Seq. No.	15965	Seq. ID	OJ990617_13.9B24.C10
Gene No.	33737	Strand	-
Start	5735	End	6356
Name	OJ990617_13.9B24.C10.o2.gs	Method	GENSCAN
Start	5735	End	6356
GI	none	Score	.68
Exons	5735..6152, 6158..6356		

Seq. No.	15966	Seq. ID	OJ990617_13.9B24.C11
Gene No.	33738	Strand	+
Start	49	End	7552
Name	OJ990617_13.9B24.C11.o1.gs	Method	GENSCAN
Start	49	End	7552
GI	none	Score	.84
Exons	49..238, 243..534, 594..760, 2316..2338, 3967..4072, 4732..4787, 4954..5137, 5544..5639, 6695..7165, 7300..7552		

Seq. No.	15966	Seq. ID	OJ990617_13.9B24.C11
Gene No.	33739	Strand	+
Start	9230	End	15895
Name	OJ990617_13.9B24.C11.o2.gs	Method	GENSCAN
Start	9230	End	12535
GI	none	Score	.57
Exons	9230..9278, 9820..10078, 10496..10540, 11460..11563, 11595..11836, 11884..11997, 12062..12535		

Seq. No.	15966	Seq. ID	OJ990617_13.9B24.C11
Gene No.	33739	Strand	+
Start	9230	End	15895
Name	OJ990617_13.9B24.C11.o1.np	Method	AAT/NAP
Start	9924	End	15700
GI	6815052	Score	1924
Exons	9924..10078, 10160..10234, 10496..10613, 10914..11012, 13379..13471, 14252..14387, 14436..15167, 15249..15323, 15585..15700		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	15966	Seq. ID	OJ990617_13.9B24.C11
Gene No.	33739	Strand	+
Start	9230	End	15895
Name	OJ990617_13.9B24.C11.o3.gs	Method	GENSCAN
Start	13593	End	15895
GI	none	Score	.42
Exons	13593..13685, 14252..14357, 14994..15167, 15585..15655, 15704..15895		

Seq. No.	15966	Seq. ID	OJ990617_13.9B24.C11
Gene No.	33740	Strand	-

Start	19130	End	20513
Name	OJ990617_13.9B24.C11.o1.tw	Method	TBLASTX:Wheat
Start	13698	End	14197
GI	none	Score	104
Exons	13698..13916, 13925..14197		

Seq. No.	15966	Seq. ID	OJ990617_13.9B24.C11
Gene No.	33740	Strand	-
Start	19130	End	20513
Name	OJ990617_13.9B24.C11.o2.np	Method	AAT/NAP
Start	19103	End	20513
GI	4996642	Score	281
Exons	19103..19635, 19722..20177, 20370..20513		
GI Descrip.	(AB028130) Dof zinc finger protein [Oryza sativa]		

Seq. No.	15966	Seq. ID	OJ990617_13.9B24.C11
Gene No.	33740	Strand	-
Start	19130	End	20513
Name	OJ990617_13.9B24.C11.o4.gs	Method	GENSCAN
Start	19130	End	20245
GI	none	Score	.91
Exons	19130..19453, 19595..20245		

Seq. No.	15966	Seq. ID	OJ990617_13.9B24.C11
Gene No.	33740	Strand	-
Start	19130	End	20513
Name	OJ990617_13.9B24.C11.o1.tc	Method	TBLASTX:Cress
Start	19944	End	20104
GI	none	Score	76
Exons	19944..20036, 19955..20104, 20061..20099		

Seq. No.	15966	Seq. ID	OJ990617_13.9B24.C11
Gene No.	33740	Strand	-
Start	19130	End	20513
Name	OJ990617_13.9B24.C11.o1.tm	Method	TBLASTX:Maize
Start	19944	End	20105
GI	none	Score	171
Exons	19944..20105, 19955..20104		

Seq. No.	15966	Seq. ID	OJ990617_13.9B24.C11
Gene No.	33740	Strand	-
Start	19130	End	20513
Name	OJ990617_13.9B24.C11.o1.ts	Method	TBLASTX:Soybean
Start	19944	End	20179
GI	5606389	Score	115
Exons	19944..20036, 19955..20179, 20061..20099		
GI Descrip.	-		

Seq. No.	15967	Seq. ID	OJ990617_13.9B24.C12
Gene No.	33741	Strand	+
Start	2917	End	3586
Name	OJ990617_13.9B24.C12.o2.gs	Method	GENSCAN
Start	2917	End	3586
GI	none	Score	.68
Exons	2917..2972, 3138..3346, 3462..3586		

Seq. No.	15968	Seq. ID	OJ990617_13.9B24.C13

Gene No.	33742	Strand	+
Start	412	End	1176
Name	OJ990617_13.9B24.C13.o1.gs	Method	GENSCAN
Start	412	End	1176
GI	none	Score	.67
Exons	412..1176		

Seq. No.	15969	Seq. ID	OJ990617_13.9B24.C14
Gene No.	33743	Strand	-
Start	52	End	1635
Name	OJ990617_13.9B24.C14.o1.gs	Method	GENSCAN
Start	52	End	1635
GI	none	Score	.42
Exons	52..488, 1527..1635		

Seq. No.	15970	Seq. ID	OJ990617_13.9B24.C15
Gene No.	33744	Strand	-
Start	1	End	1245
Name	OJ990617_13.9B24.C15.o1.np	Method	AAT/NAP
Start	1	End	1245
GI	6539588	Score	257
Exons	1..36, 218..500, 1219..1245		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	15971	Seq. ID	OJ990617_13.9B24.C16
Gene No.	33745	Strand	-
Start	224	End	762
Name	OJ990617_13.9B24.C16.o1.ts	Method	TBLASTX:Soybean
Start	194	End	667
GI	none	Score	144
Exons	194..472, 491..667		

Seq. No.	15971	Seq. ID	OJ990617_13.9B24.C16
Gene No.	33745	Strand	-
Start	224	End	762
Name	OJ990617_13.9B24.C16.o1.np	Method	AAT/NAP
Start	224	End	762
GI	6630685	Score	514
Exons	224..762		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	15971	Seq. ID	OJ990617_13.9B24.C16
Gene No.	33745	Strand	-
Start	224	End	762
Name	OJ990617_13.9B24.C16.o1.tc	Method	TBLASTX:Cress
Start	245	End	607
GI	none	Score	70
Exons	245..454, 491..607		

Seq. No.	15971	Seq. ID	OJ990617_13.9B24.C16
Gene No.	33745	Strand	-
Start	224	End	762
Name	OJ990617_13.9B24.C16.o1.tm	Method	TBLASTX:Maize
Start	245	End	761
GI	none	Score	218
Exons	245..664, 273..662, 717..761		

Seq. No.	15971	Seq. ID	OJ990617_13.9B24.C16
Gene No.	33745	Strand	-
Start	224	End	762
Name	OJ990617_13.9B24.C16.o1.tw	Method	TBLASTX:Wheat
Start	287	End	655
GI	none	Score	76
Exons	287..478, 287..463, 491..655		

Seq. No.	15972	Seq. ID	OJ990617_13.9B24.C18
Gene No.	33746	Strand	-
Start	1	End	140
Name	OJ990617_13.9B24.C18.o1.np	Method	AAT/NAP
Start	1	End	140
GI	6705984	Score	64
Exons	1..140		
GI Descrip.	(AB033235) gag-pol polyprotein [Oryza sativa]		

Seq. No.	15972	Seq. ID	OJ990617_13.9B24.C18
Gene No.	33747	Strand	-
Start	201	End	314
Name	OJ990617_13.9B24.C18.o1.gs	Method	GENSCAN
Start	201	End	314
GI	none	Score	.52
Exons	201..314		

Seq. No.	15972	Seq. ID	OJ990617_13.9B24.C18
Gene No.	33748	Strand	-
Start	432	End	566
Name	OJ990617_13.9B24.C18.o2.np	Method	AAT/NAP
Start	432	End	566
GI	6815052	Score	99
Exons	432..566		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	15973	Seq. ID	OJ990617_11.9B19.C3
Gene No.	33749	Strand	+
Start	134	End	234
Name	OJ990617_11.9B19.C3.o1.gs	Method	GENSCAN
Start	134	End	234
GI	none	Score	.69
Exons	134..234		

Seq. No.	15974	Seq. ID	OJ990617_11.9B19.C4
Gene No.	33750	Strand	+
Start	257	End	297
Name	OJ990617_11.9B19.C4.o1.gs	Method	GENSCAN
Start	257	End	297
GI	none	Score	.97
Exons	257..297		

Seq. No.	15975	Seq. ID	OJ990617_11.9B19.C6
Gene No.	33751	Strand	-
Start	1	End	451
Name	OJ990617_11.9B19.C6.o1.np	Method	AAT/NAP
Start	1	End	451
GI	6498441	Score	258

Exons	1..179, 407..451
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	15975	Seq. ID	OJ990617_11.9B19.C6
Gene No.	33751	Strand	-
Start	1	End	451
Name	OJ990617_11.9B19.C6.o1.tw	Method	TBLASTX:Wheat
Start	10	End	317
GI	none	Score	59
Exons	10..294, 11..100, 122..295, 240..281, 291..317		

Seq. No.	15975	Seq. ID	OJ990617_11.9B19.C6
Gene No.	33751	Strand	-
Start	1	End	451
Name	OJ990617_11.9B19.C6.o1.gs	Method	GENSCAN
Start	13	End	372
GI	none	Score	.79
Exons	13..372		

Seq. No.	15976	Seq. ID	OJ990617_11.9B19.C8
Gene No.	33752	Strand	+
Start	1	End	194
Name	OJ990617_11.9B19.C8.o1.np	Method	AAT/NAP
Start	1	End	194
GI	6671947	Score	99
Exons	1..194		
GI Descrip.	(AC016795) putative ubiquitin carboxyl-terminal hydrolase [Arabidopsis thaliana]		

Seq. No.	15977	Seq. ID	OJ990617_11.9B19.C12
Gene No.	33753	Strand	+
Start	1	End	17267
Name	OJ990617_11.9B19.C12.o2.np	Method	AAT/NAP
Start	1	End	8249
GI	4507857	Score	760
Exons	1..135, 2810..3067, 3150..3368, 3438..3546, 3637..3752, 3983..4081, 5996..6077, 6669..6756, 7608..7696, 7831..7934, 8164..8249		
GI Descrip.	Herpes virus-associated ubiquitin-specific protease gi\|2501460\|sp\|Q93009\|UBP7_HUMAN UBIQUITIN CARBOXYL-TERMINAL HYDROLASE 7 (UBIQUITIN THIOLESTERASE 7) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE 7) (DEUBIQUITINATING ENZYME 7) (HERPESVIRUS ASSOCIATED UBIQUITIN-SPECIFIC PROTEASE) gi\|1545952\|emb\|CAA96580\| (Z72499) herpesvirus associated ubiquitin-specific protease (HAUSP) [		

Seq. No.	15977	Seq. ID	OJ990617_11.9B19.C12
Gene No.	33753	Strand	+
Start	1	End	17267
Name	OJ990617_11.9B19.C12.o1.gs	Method	GENSCAN
Start	629	End	17267
GI	none	Score	.72
Exons	629..1016, 1115..1143, 1181..1322, 1468..1618, 1713..1870, 2802..3067, 3150..3368, 3438..3546, 3637..3752, 3983..4081, 5996..6105, 6682..6756, 7608..7686, 7788..7934, 8164..8244,		

8345..8464, 8588..8710, 9072..9149, 9305..9393, 9478..9661, 9950..10060, 12461..12516, 12611..12788, 14201..14284, 14395..14511, 14969..15043, 15140..15226, 16529..16594, 17085..17267

Seq. No.	15977	Seq. ID	OJ990617_11.9B19.C12
Gene No.	33753	Strand	+
Start	1	End	17267
Name	OJ990617_11.9B19.C12.o1.gp	Method	AAT/GAP
Start	823	End	1016
GI	none	Score	313
Exons	823..1016		

Seq. No.	15977	Seq. ID	OJ990617_11.9B19.C12
Gene No.	33753	Strand	+
Start	1	End	17267
Name	OJ990617_11.9B19.C12.o1.np	Method	AAT/NAP
Start	1478	End	2581
GI	3776084	Score	203
Exons	1478..1618, 1713..1876, 2487..2581		
GI Descrip.	(Y18251) NtN2 [Medicago truncatula]		

Seq. No.	15977	Seq. ID	OJ990617_11.9B19.C12
Gene No.	33753	Strand	+
Start	1	End	17267
Name	OJ990617_11.9B19.C12.o2.gp	Method	AAT/GAP
Start	6402	End	6923
GI	none	Score	1037
Exons	6402..6923		

Seq. No.	15977	Seq. ID	OJ990617_11.9B19.C12
Gene No.	33753	Strand	+
Start	1	End	17267
Name	OJ990617_11.9B19.C12.o3.gp	Method	AAT/GAP
Start	7478	End	8204
GI	none	Score	920
Exons	7478..7934, 8164..8204		

Seq. No.	15977	Seq. ID	OJ990617_11.9B19.C12
Gene No.	33753	Strand	+
Start	1	End	17267
Name	OJ990617_11.9B19.C12.o4.gp	Method	AAT/GAP
Start	8215	End	9849
GI	27404_1.R1084	Score	985
Exons	8215..8244, 8345..8464, 8588..8710, 9072..9149, 9305..9393, 9478..9586, 9797..9849		
GI Descrip.	'4507857/ref\|NP_003461.1\|pUSP7\| 3.0e-10 Herpes virus-associated ubiquitin-specific protease >gi_2501460_sp_Q93009_UBPH_HUMAN PROBABLE UBIQUITIN CARBOXYL-TERMINAL HYDROLASE HAUSP (UBIQUITIN THIOLESTERASE HAUSP) (UBIQUITIN-SPECIFIC PROCESSING PROTEASE HAUSP) (DEUBIQUITINATING ENZYME HAUSP) (HERPESVIRUS ASSOCIATED UBIQUITIN-SPECIFIC PROTEASE) >gi_1545952_emb_CAA96580_ (Z72499) herpesvir'		

Seq. No.	15977	Seq. ID	OJ990617_11.9B19.C12
Gene No.	33753	Strand	+
Start	1	End	17267

Name	OJ990617_11.9B19.C12.o5.gp	Method	AAT/GAP
Start	12452	End	14285
GI	none	Score	1026
Exons	12452..12516, 12611..12788, 12884..12985, 13066..13137, 13799..13864, 13999..14064, 14201..14285		

Seq. No.	15977	Seq. ID	OJ990617_11.9B19.C12
Gene No.	33754	Strand	+
Start	18001	End	20327
Name	OJ990617_11.9B19.C12.o2.gs	Method	GENSCAN
Start	18001	End	20327
GI	none	Score	.56
Exons	18001..18363, 19501..19628, 19721..19801, 19909..20014, 20133..20327		

Seq. No.	15977	Seq. ID	OJ990617_11.9B19.C12
Gene No.	33755	Strand	+
Start	21386	End	21961
Name	OJ990617_11.9B19.C12.o3.np	Method	AAT/NAP
Start	21166	End	21839
GI	6324539	Score	116
Exons	21166..21268, 21473..21649, 21765..21839		
GI Descrip.	Yol034wp gi\|2131997\|pir\|\|S66717 hypothetical protein YOL034w - yeast (Saccharomyces cerevisiae) gi\|1419827\|emb\|CAA99034\| (Z74776) ORF YOL034w [Saccharomyces cerevisiae]		

Seq. No.	15977	Seq. ID	OJ990617_11.9B19.C12
Gene No.	33755	Strand	+
Start	21386	End	21961
Name	OJ990617_11.9B19.C12.o3.gs	Method	GENSCAN
Start	21386	End	21961
GI	none	Score	.8
Exons	21386..21961		

Seq. No.	15977	Seq. ID	OJ990617_11.9B19.C12
Gene No.	33756	Strand	-
Start	16234	End	16665
Name	OJ990617_11.9B19.C12.o3.ts	Method	TBLASTX:Soybean
Start	1463	End	2863
GI	none	Score	205
Exons	1463..1639, 1467..1619, 1518..1643, 1670..1846, 1712..1846, 1713..1847, 1713..1856, 1714..1869, 2800..2859, 2801..2863		

Seq. No.	15977	Seq. ID	OJ990617_11.9B19.C12
Gene No.	33756	Strand	-
Start	16234	End	16665
Name	OJ990617_11.9B19.C12.o5.tm	Method	TBLASTX:Maize
Start	1463	End	1791
GI	none	Score	239
Exons	1463..1618, 1467..1619, 1518..1643, 1713..1775, 1713..1790, 1714..1791		

Seq. No.	15977	Seq. ID	OJ990617_11.9B19.C12
Gene No.	33756	Strand	-
Start	16234	End	16665
Name	OJ990617_11.9B19.C12.o5.tc	Method	TBLASTX:Cress
Start	1484	End	1787

GI	none	Score	193
Exons	1484..1639, 1485..1619, 1518..1643, 1713..1787, 1714..1785		

Seq. No.	15977	Seq. ID	OJ990617_11.9B19.C12
Gene No.	33756	Strand	-
Start	16234	End	16665
Name	OJ990617_11.9B19.C12.o1.tm	Method	TBLASTX:Maize
Start	2824	End	7838
GI	none	Score	58
Exons	2824..2856, 2828..2857, 2858..2932, 2861..3079, 2866..3066, 2984..3079, 3126..3368, 3138..3377, 3140..3379, 3438..3545, 3439..3561, 3440..3544, 3635..3754, 3636..3752, 3647..3754, 3980..4105, 3982..4077, 5990..6103, 6006..6104, 6719..6757, 7609..7698, 7611..7688, 7782..7838		

Seq. No.	15977	Seq. ID	OJ990617_11.9B19.C12
Gene No.	33756	Strand	-
Start	16234	End	16665
Name	OJ990617_11.9B19.C12.o1.tc	Method	TBLASTX:Cress
Start	2864	End	3320
GI	none	Score	271
Exons	2864..3079, 2866..3066, 2946..3074, 2981..3079, 3134..3319, 3137..3319, 3138..3320		

Seq. No.	15977	Seq. ID	OJ990617_11.9B19.C12
Gene No.	33756	Strand	-
Start	16234	End	16665
Name	OJ990617_11.9B19.C12.o2.ts	Method	TBLASTX:Soybean
Start	2980	End	3324
GI	none	Score	161
Exons	2980..3066, 2981..3079, 3126..3323, 3133..3324, 3138..3323		

Seq. No.	15977	Seq. ID	OJ990617_11.9B19.C12
Gene No.	33756	Strand	-
Start	16234	End	16665
Name	OJ990617_11.9B19.C12.o3.tc	Method	TBLASTX:Cress
Start	3321	End	4069
GI	none	Score	84
Exons	3321..3374, 3321..3368, 3440..3544, 3441..3545, 3635..3754, 3636..3752, 3637..3753, 3638..3787, 3980..4069, 3982..4068		

Seq. No.	15977	Seq. ID	OJ990617_11.9B19.C12
Gene No.	33756	Strand	-
Start	16234	End	16665
Name	OJ990617_11.9B19.C12.o4.ts	Method	TBLASTX:Soybean
Start	3326	End	7936
GI	none	Score	74
Exons	3326..3373, 3327..3374, 3440..3544, 3440..3544, 3441..3545, 3635..3760, 3636..3752, 3638..3754, 3980..4105, 3982..4080, 5989..6105, 5990..6103, 6719..6757, 7607..7684, 7608..7685, 7609..7698, 7782..7934, 7782..7934, 7783..7935, 7787..7936		

Seq. No.	15977	Seq. ID	OJ990617_11.9B19.C12
Gene No.	33756	Strand	-
Start	16234	End	16665
Name	OJ990617_11.9B19.C12.o4.tc	Method	TBLASTX:Cress
Start	5990	End	7937

GI	none	Score	179
Exons	5990..6103, 6680..6757, 6719..6757, 7608..7685, 7609..7689, 7778..7849, 7782..7937, 7782..7937		

Seq. No.	15977	Seq. ID	OJ990617_11.9B19.C12
Gene No.	33756	Strand	-
Start	16234	End	16665
Name	OJ990617_11.9B19.C12.o4.tm	Method	TBLASTX:Maize
Start	7839	End	9364
GI	none	Score	165
Exons	7839..7937, 7840..7929, 7845..7937, 8217..8243, 8343..8465, 8345..8485, 8347..8484, 8586..8708, 8587..8712, 8588..8713, 9071..9151, 9072..9149, 9085..9150, 9305..9364		

Seq. No.	15977	Seq. ID	OJ990617_11.9B19.C12
Gene No.	33756	Strand	-
Start	16234	End	16665
Name	OJ990617_11.9B19.C12.o1.ts	Method	TBLASTX:Soybean
Start	8328	End	16069
GI	none	Score	55
Exons	8328..8417, 8342..8428, 8344..8481, 8354..8470, 8426..8485, 8587..8712, 8588..8713, 8621..8719, 9071..9133, 9072..9134, 9273..9380, 9305..9400, 9479..9586, 9481..9588, 9481..9681, 9794..9868, 9796..9861, 9946..10002, 9950..10003, 10010..10063, 10012..10062, 12458..12517, 12460..12513, 12610..12678, 12612..12794, 12627..12791, 12866..12991, 12883..12993, 13065..13151, 13066..13140, 13796..13867, 13999..14067, 14001..14063, 14198..14287, 14198..14287, 14394..14510, 14395..14511, 14966..15043, 14968..15039, 15133..15207, 15135..15197, 15136..15207, 15137..15226, 16025..16069		

Seq. No.	15977	Seq. ID	OJ990617_11.9B19.C12
Gene No.	33756	Strand	-
Start	16234	End	16665
Name	OJ990617_11.9B19.C12.o6.tc	Method	TBLASTX:Cress
Start	8606	End	9868
GI	none	Score	172
Exons	8606..8713, 8608..8712, 9071..9139, 9072..9140, 9303..9389, 9305..9397, 9469..9561, 9476..9586, 9794..9868, 9796..9843		

Seq. No.	15977	Seq. ID	OJ990617_11.9B19.C12
Gene No.	33756	Strand	-
Start	16234	End	16665
Name	OJ990617_11.9B19.C12.o2.tm	Method	TBLASTX:Maize
Start	9365	End	16078
GI	none	Score	44
Exons	9365..9400, 9469..9681, 9479..9586, 9759..9863, 9794..9868, 9794..9874, 9935..10060, 9948..10061, 9949..10062, 9950..10063, 12447..12521, 12456..12524, 12607..12678, 12611..12736, 12612..12794, 12613..12819, 12674..12787, 12699..12791, 12866..12991, 12883..12987, 12896..12991, 13065..13139, 13066..13140, 13796..13867, 13798..13899, 13996..14064, 13998..14063, 13999..14067, 14198..14290, 14198..14293, 14239..14292, 14383..14511, 14391..14510, 14392..14511, 14394..14531, 14860..15039, 14960..15043, 14966..15043, 15129..15224, 15134..15226, 15136..15225, 15137..15226, 16016..16078		

Seq. No.	15977	Seq. ID	OJ990617_11.9B19.C12
Gene No.	33756	Strand	-
Start	16234	End	16665
Name	OJ990617_11.9B19.C12.o1.tw	Method	TBLASTX:Wheat
Start	9521	End	12677
GI	none	Score	75
Exons	9521..9586, 9794..9868, 9794..9874, 9919..10071, 9950..10063, 12457..12510, 12458..12511, 12612..12677, 12627..12677		

Seq. No.	15977	Seq. ID	OJ990617_11.9B19.C12
Gene No.	33756	Strand	-
Start	16234	End	16665
Name	OJ990617_11.9B19.C12.o2.tc	Method	TBLASTX:Cress
Start	12457	End	16069
GI	none	Score	63
Exons	12457..12516, 12458..12517, 12621..12788, 12624..12794, 12866..12991, 12883..12999, 13065..13139, 13066..13140, 13796..13867, 13998..14063, 13999..14067, 14198..14281, 14383..14511, 14394..14510, 14960..15043, 14968..15042, 15137..15226, 15139..15219, 16025..16069		

Seq. No.	15977	Seq. ID	OJ990617_11.9B19.C12
Gene No.	33756	Strand	-
Start	16234	End	16665
Name	OJ990617_11.9B19.C12.o6.gp	Method	AAT/GAP
Start	16234	End	16665
GI	none	Score	807
Exons	16234..16665		

Seq. No.	15977	Seq. ID	OJ990617_11.9B19.C12
Gene No.	33757	Strand	
Start	21467	End	21925
Name	OJ990617_11.9B19.C12.o3.tm	Method	TBLASTX:Maize
Start	21467	End	21925
GI	none	Score	258
Exons	21467..21652, 21472..21549, 21765..21845, 21765..21830, 21818..21919, 21838..21924, 21839..21925		

Seq. No.	15978	Seq. ID	OJ990617_11.9B19.C13
Gene No.	33758	Strand	+
Start	91	End	2349
Name	OJ990617_11.9B19.C13.o1.gs	Method	GENSCAN
Start	91	End	2102
GI	none	Score	.8
Exons	91..1044, 1859..2102		

Seq. No.	15978	Seq. ID	OJ990617_11.9B19.C13
Gene No.	33758	Strand	+
Start	91	End	2349
Name	OJ990617_11.9B19.C13.o1.np	Method	AAT/NAP
Start	177	End	2349
GI	1572766	Score	316
Exons	177..478, 608..1036, 2329..2349		
GI Descrip.	(U70849) F29B9.4 gene product [Caenorhabditis elegans]		

Seq. No.	15978	Seq. ID	OJ990617_11.9B19.C13

Gene No.	33759	Strand	-
Start	3019	End	6954
Name	OJ990617_11.9B19.C13.o1.ts	Method	TBLASTX:Soybean
Start	116	End	1068
GI	none	Score	75
Exons	116..208, 401..481, 518..688, 562..663, 655..798, 680..835, 848..904, 922..1038, 923..1054, 925..1068		

Seq. No.	15978	Seq. ID	OJ990617_11.9B19.C13
Gene No.	33759	Strand	-
Start	3019	End	6954
Name	OJ990617_11.9B19.C13.o2.tm	Method	TBLASTX:Maize
Start	539	End	1009
GI	none	Score	115
Exons	539..676, 562..663, 655..798, 680..835, 698..850, 926..1009, 931..1008		

Seq. No.	15978	Seq. ID	OJ990617_11.9B19.C13
Gene No.	33759	Strand	-
Start	3019	End	6954
Name	OJ990617_11.9B19.C13.o4.tm	Method	TBLASTX:Maize
Start	1863	End	2101
GI	none	Score	171
Exons	1863..1991, 1863..1991, 1865..1993, 1868..2008, 1948..2007, 2030..2101, 2033..2101		

Seq. No.	15978	Seq. ID	OJ990617_11.9B19.C13
Gene No.	33759	Strand	-
Start	3019	End	6954
Name	OJ990617_11.9B19.C13.o1.gp	Method	AAT/GAP
Start	2963	End	3600
GI	none	Score	805
Exons	2963..3353, 3530..3600		

Seq. No.	15978	Seq. ID	OJ990617_11.9B19.C13
Gene No.	33759	Strand	-
Start	3019	End	6954
Name	OJ990617_11.9B19.C13.o2.gs	Method	GENSCAN
Start	3019	End	6954
GI	none	Score	.9
Exons	3019..3113, 3530..3638, 4007..4120, 4961..5113, 5191..5247, 5343..5408, 5859..6065, 6565..6954		

Seq. No.	15978	Seq. ID	OJ990617_11.9B19.C13
Gene No.	33759	Strand	-
Start	3019	End	6954
Name	OJ990617_11.9B19.C13.o2.np	Method	AAT/NAP
Start	3522	End	6768
GI	1001311	Score	1241
Exons	3522..3638, 3728..3834, 4003..4120, 4228..4359, 4476..4624, 4809..4887, 4961..5113, 5191..5247, 5343..5425, 5636..5735, 5859..6065, 6565..6768		
GI Descrip.	(D64006) hypothetical protein [Synechocystis sp.]		

Seq. No.	15978	Seq. ID	OJ990617_11.9B19.C13
Gene No.	33759	Strand	-
Start	3019	End	6954

Name	OJ990617_11.9B19.C13.o1.tm	Method	TBLASTX:Maize
Start	3535	End	4350
GI	none	Score	160
Exons	3535..3639, 3537..3638, 3556..3645, 3723..3839, 3724..3840, 3728..3841, 3999..4121, 4002..4121, 4004..4123, 4004..4123, 4228..4350, 4229..4348, 4231..4350		

Seq. No.	15978	Seq. ID	OJ990617_11.9B19.C13
Gene No.	33759	Strand	-
Start	3019	End	6954
Name	OJ990617_11.9B19.C13.o2.ts	Method	TBLASTX:Soybean
Start	4240	End	4600
GI	none	Score	61
Exons	4240..4365, 4248..4346, 4248..4382, 4250..4357, 4458..4583, 4475..4600, 4477..4569		

Seq. No.	15978	Seq. ID	OJ990617_11.9B19.C13
Gene No.	33759	Strand	-
Start	3019	End	6954
Name	OJ990617_11.9B19.C13.o4.ts	Method	TBLASTX:Soybean
Start	4775	End	5054
GI	none	Score	103
Exons	4775..4888, 4817..4879, 4819..4887, 4958..5053, 4959..5054		

Seq. No.	15978	Seq. ID	OJ990617_11.9B19.C13
Gene No.	33759	Strand	-
Start	3019	End	6954
Name	OJ990617_11.9B19.C13.o5.ts	Method	TBLASTX:Soybean
Start	5075	End	5964
GI	none	Score	89
Exons	5075..5113, 5188..5247, 5189..5248, 5191..5250, 5343..5423, 5343..5426, 5344..5430, 5637..5678, 5638..5736, 5641..5721, 5856..5963, 5859..5960, 5860..5964		

Seq. No.	15978	Seq. ID	OJ990617_11.9B19.C13
Gene No.	33759	Strand	-
Start	3019	End	6954
Name	OJ990617_11.9B19.C13.o3.tm	Method	TBLASTX:Maize
Start	6024	End	6750
GI	none	Score	68
Exons	6024..6068, 6024..6068, 6560..6703, 6565..6750		

Seq. No.	15978	Seq. ID	OJ990617_11.9B19.C13
Gene No.	33759	Strand	-
Start	3019	End	6954
Name	OJ990617_11.9B19.C13.o3.ts	Method	TBLASTX:Soybean
Start	6580	End	6747
GI	none	Score	131
Exons	6580..6747, 6581..6703		

Seq. No.	15979	Seq. ID	OJ990617_11.9B19.C14
Gene No.	33760	Strand	+
Start	195	End	461
Name	OJ990617_11.9B19.C14.o1.gp	Method	AAT/GAP
Start	195	End	461
GI	LIB3431-021-P1-K1-E3	Score	486
Exons	195..461		

GI Descrip. '3063453 1.0e-18 (AC003981) F22O13.15 [Arabidopsis thaliana]'

Seq. No.	15980	Seq. ID	OJ990617_11.9B19.C18
Gene No.	33761	Strand	+
Start	292	End	745
Name	OJ990617_11.9B19.C18.o1.gp	Method	AAT/GAP
Start	292	End	745
GI	none	Score	815
Exons	292..745		

Seq. No.	15980	Seq. ID	OJ990617_11.9B19.C18
Gene No.	33762	Strand	-
Start	980	End	2332
Name	OJ990617_11.9B19.C18.o1.tm	Method	TBLASTX:Maize
Start	287	End	967
GI	none	Score	204
Exons	287..757, 288..704, 290..757, 800..826, 801..830, 801..830, 831..950, 832..948, 887..967	340..759, 752..799, 758..799, 802..834, 827..946, 831..947,	

Seq. No.	15980	Seq. ID	OJ990617_11.9B19.C18
Gene No.	33762	Strand	-
Start	980	End	2332
Name	OJ990617_11.9B19.C18.o1.gs	Method	GENSCAN
Start	980	End	2332
GI	none	Score	.47
Exons	980..1071, 1484..1644, 2070..2332		

Seq. No.	15981	Seq. ID	OJ990617_11.9B19.C19
Gene No.	33763	Strand	-
Start	1	End	2084
Name	OJ990617_11.9B19.C19.o1.np	Method	AAT/NAP
Start	1	End	2084
GI	5042454	Score	99
Exons	1..324, 423..665, 1410..1594, 1925..2084		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	15981	Seq. ID	OJ990617_11.9B19.C19
Gene No.	33763	Strand	-
Start	1	End	2084
Name	OJ990617_11.9B19.C19.o1.gs	Method	GENSCAN
Start	119	End	1997
GI	none	Score	.51
Exons	119..721, 1200..1219, 1390..1450, 1524..1694, 1929..1997		

Seq. No.	15982	Seq. ID	OJ990617_11.9B19.C20
Gene No.	33764	Strand	+
Start	264	End	4646
Name	OJ990617_11.9B19.C20.o1.np	Method	AAT/NAP
Start	264	End	3319
GI	4680179	Score	4991
Exons	264..3319		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	15982	Seq. ID	OJ990617_11.9B19.C20
Gene No.	33764	Strand	+
Start	264	End	4646

Name	OJ990617_11.9B19.C20.o1.gs	Method	GENSCAN
Start	312	End	4646
GI	none	Score	.63
Exons	312..1093, 1196..3184, 4023..4266, 4358..4453, 4498..4646		

Seq. No.	15982	Seq. ID	OJ990617_11.9B19.C20
Gene No.	33765	Strand	+
Start	7511	End	10651
Name	OJ990617_11.9B19.C20.o3.np	Method	AAT/NAP
Start	7511	End	10648
GI	6907089	Score	4611
Exons	7511..8771, 8866..10648		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	15982	Seq. ID	OJ990617_11.9B19.C20
Gene No.	33765	Strand	+
Start	7511	End	10651
Name	OJ990617_11.9B19.C20.o3.gs	Method	GENSCAN
Start	7766	End	10651
GI	none	Score	.94
Exons	7766..7907, 7925..8771, 8866..10651		

Seq. No.	15982	Seq. ID	OJ990617_11.9B19.C20
Gene No.	33766	Strand	-
Start	878	End	1658
Name	OJ990617_11.9B19.C20.o1.gp	Method	AAT/GAP
Start	878	End	1658
GI	4107134	Score	1163
Exons	878..1658		
GI Descrip.	4680179/gb\|AAD27547.1\|AF111709_1 3.0e-97 (AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	15982	Seq. ID	OJ990617_11.9B19.C20
Gene No.	33767	Strand	-
Start	3566	End	8845
Name	OJ990617_11.9B19.C20.o2.np	Method	AAT/NAP
Start	3566	End	8845
GI	5295955	Score	488
Exons	3566..3667, 3695..4228, 4357..4811, 5497..5610, 6149..6217, 8545..8845		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	15982	Seq. ID	OJ990617_11.9B19.C20
Gene No.	33767	Strand	-
Start	3566	End	8845
Name	OJ990617_11.9B19.C20.o2.gs	Method	GENSCAN
Start	4991	End	7563
GI	none	Score	.6
Exons	4991..5072, 5556..5674, 6081..6217, 6831..6907, 7466..7563		

Seq. No.	15982	Seq. ID	OJ990617_11.9B19.C20
Gene No.	33767	Strand	-
Start	3566	End	8845
Name	OJ990617_11.9B19.C20.o2.gp	Method	AAT/GAP
Start	6422	End	6529
GI	uC-osflcyp172a09a1	Score	163

Exons	6422..6529		
GI Descrip.	'5803242/dbj\|AP000399.1\|AP000399 1.0e-35 Oryza sativa genomic DNA, chromosome 6, clone:P0535G04'		
Seq. No.	15982	Seq. ID	OJ990617_11.9B19.C20
Gene No.	33768	Strand	-
Start	10887	End	11085
Name	OJ990617_11.9B19.C20.o4.tw	Method	TBLASTX:Wheat
Start	482	End	964
GI	none	Score	546
Exons	482..964, 586..921		
Seq. No.	15982	Seq. ID	OJ990617_11.9B19.C20
Gene No.	33768	Strand	-
Start	10887	End	11085
Name	OJ990617_11.9B19.C20.o4.ts	Method	TBLASTX:Soybean
Start	518	End	832
GI	none	Score	183
Exons	518..832		
Seq. No.	15982	Seq. ID	OJ990617_11.9B19.C20
Gene No.	33768	Strand	-
Start	10887	End	11085
Name	OJ990617_11.9B19.C20.o4.tm	Method	TBLASTX:Maize
Start	551	End	988
GI	none	Score	367
Exons	551..988, 622..921		
Seq. No.	15982	Seq. ID	OJ990617_11.9B19.C20
Gene No.	33768	Strand	-
Start	10887	End	11085
Name	OJ990617_11.9B19.C20.o1.ts	Method	TBLASTX:Soybean
Start	905	End	1300
GI	none	Score	57
Exons	905..937, 907..933, 941..994, 948..1088, 953..1270, 1049..1300, 1057..1299		
Seq. No.	15982	Seq. ID	OJ990617_11.9B19.C20
Gene No.	33768	Strand	-
Start	10887	End	11085
Name	OJ990617_11.9B19.C20.o5.tw	Method	TBLASTX:Wheat
Start	1014	End	1315
GI	none	Score	53
Exons	1014..1094, 1016..1306, 1051..1314, 1052..1315		
Seq. No.	15982	Seq. ID	OJ990617_11.9B19.C20
Gene No.	33768	Strand	-
Start	10887	End	11085
Name	OJ990617_11.9B19.C20.o5.tm	Method	TBLASTX:Maize
Start	1049	End	1387
GI	none	Score	314
Exons	1049..1387, 1102..1380		
Seq. No.	15982	Seq. ID	OJ990617_11.9B19.C20
Gene No.	33768	Strand	-
Start	10887	End	11085
Name	OJ990617_11.9B19.C20.o2.tw	Method	TBLASTX:Wheat

Start	1316	End	1825
GI	none	Score	624
Exons	1316..1825, 1324..1734, 1355..1738		

Seq. No.	15982	Seq. ID	OJ990617_11.9B19.C20
Gene No.	33768	Strand	-
Start	10887	End	11085
Name	OJ990617_11.9B19.C20.o3.ts	Method	TBLASTX:Soybean
Start	1322	End	1567
GI	none	Score	209
Exons	1322..1567		

Seq. No.	15982	Seq. ID	OJ990617_11.9B19.C20
Gene No.	33768	Strand	-
Start	10887	End	11085
Name	OJ990617_11.9B19.C20.o2.tm	Method	TBLASTX:Maize
Start	1388	End	1748
GI	none	Score	477
Exons	1388..1741, 1390..1734, 1549..1746, 1596..1748		

Seq. No.	15982	Seq. ID	OJ990617_11.9B19.C20
Gene No.	33768	Strand	-
Start	10887	End	11085
Name	OJ990617_11.9B19.C20.o3.tw	Method	TBLASTX:Wheat
Start	1829	End	2308
GI	none	Score	594
Exons	1829..2308, 1862..2275, 2053..2307		

Seq. No.	15982	Seq. ID	OJ990617_11.9B19.C20
Gene No.	33768	Strand	-
Start	10887	End	11085
Name	OJ990617_11.9B19.C20.o1.tc	Method	TBLASTX:Cress
Start	2015	End	2332
GI	none	Score	89
Exons	2015..2188, 2189..2332, 2191..2331		

Seq. No.	15982	Seq. ID	OJ990617_11.9B19.C20
Gene No.	33768	Strand	-
Start	10887	End	11085
Name	OJ990617_11.9B19.C20.o2.ts	Method	TBLASTX:Soybean
Start	2096	End	2356
GI	none	Score	299
Exons	2096..2356, 2101..2355		

Seq. No.	15982	Seq. ID	OJ990617_11.9B19.C20
Gene No.	33768	Strand	-
Start	10887	End	11085
Name	OJ990617_11.9B19.C20.o3.tm	Method	TBLASTX:Maize
Start	2155	End	2446
GI	none	Score	390
Exons	2155..2442, 2156..2446		

Seq. No.	15982	Seq. ID	OJ990617_11.9B19.C20
Gene No.	33768	Strand	-
Start	10887	End	11085
Name	OJ990617_11.9B19.C20.o1.tw	Method	TBLASTX:Wheat
Start	2315	End	2941

GI	none	Score	732
Exons	2315..2941, 2317..2940		

Seq. No.	15982	Seq. ID	OJ990617_11.9B19.C20
Gene No.	33768	Strand	-
Start	10887	End	11085
Name	OJ990617_11.9B19.C20.o1.tm	Method	TBLASTX:Maize
Start	2495	End	3082
GI	none	Score	226
Exons	2495..2656, 2503..2649, 2654..3082, 2656..3081		

Seq. No.	15982	Seq. ID	OJ990617_11.9B19.C20
Gene No.	33768	Strand	-
Start	10887	End	11085
Name	OJ990617_11.9B19.C20.o6.tw	Method	TBLASTX:Wheat
Start	2941	End	3309
GI	none	Score	325
Exons	2941..3141, 2942..3274, 3256..3309		

Seq. No.	15982	Seq. ID	OJ990617_11.9B19.C20
Gene No.	33768	Strand	-
Start	10887	End	11085
Name	OJ990617_11.9B19.C20.o4.gs	Method	GENSCAN
Start	10887	End	11085
GI	none	Score	.4
Exons	10887..11085		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33769	Strand	+
Start	9664	End	20239
Name	OJ990617_11.9B19.C21.o3.gs	Method	GENSCAN
Start	9664	End	20239
GI	none	Score	.77
Exons	9664..9774, 10346..10963, 11033..11100, 11249..11324, 11401..11462, 11542..11693, 11979..12142, 12279..12407, 12507..12917, 13328..13381, 13547..13716, 14355..14445, 15100..15281, 16501..16534, 16912..17004, 17572..17818, 18395..18680, 20143..20239		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33769	Strand	+
Start	9664	End	20239
Name	OJ990617_11.9B19.C21.o3.np	Method	AAT/NAP
Start	12086	End	16644
GI	3845304	Score	298
Exons	12086..12142, 12219..12407, 12507..12586, 12707..12917, 13328..13381, 13547..13708, 14347..14445, 15100..15281, 16571..16644		
GI Descrip.	(AE001423) replication factor C, 140 kDa subunit (ATPase) [Plasmodium falciparum]		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33769	Strand	+
Start	9664	End	20239
Name	OJ990617_11.9B19.C21.o2.gp	Method	AAT/GAP
Start	15575	End	18576
GI	6782_1.R1084	Score	932

Exons	15575..15619, 16462..16534, 16912..17004, 17572..17818, 18395..18454, 18551..18576		
GI Descrip.	'3334456/sp\|P35251\|AC15_HUMAN 2.0e-09 ACTIVATOR 1 140 KD SUBUNIT (REPLICATION FACTOR C LARGE SUBUNIT) (A1 140 KD SUBUNIT) (RF-C 140 KD SUBUNIT) (ACTIVATOR 1 LARGE SUBUNIT) (DNA-BINDING PROTEIN PO-GA) >gi_422807_pir__JN0599 DNA-binding protein PO-GA - human >gi_296908_emb_CAA80355_ (Z22642) PO-GA [Homo sapiens] >gi_307338 (L14922) DNA-binding protein [Homo sapiens] >gi_2827257 (AF04025'		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33770	Strand	+
Start	23762	End	28056
Name	OJ990617_11.9B19.C21.o4.gp	Method	AAT/GAP
Start	21076	End	21478
GI	LIB3477-003-P1-K1-E9	Score	102
Exons	21076..21159, 21456..21478		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33770	Strand	+
Start	23762	End	28056
Name	OJ990617_11.9B19.C21.o4.gs	Method	GENSCAN
Start	23762	End	28056
GI	none	Score	.46
Exons	23762..23836, 27904..28056		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33771	Strand	+
Start	38683	End	45310
Name	OJ990617_11.9B19.C21.o6.gs	Method	GENSCAN
Start	38683	End	38857
GI	none	Score	.95
Exons	38683..38760, 38807..38857		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33771	Strand	+
Start	38683	End	45310
Name	OJ990617_11.9B19.C21.o7.np	Method	AAT/NAP
Start	38726	End	41955
GI	6523547	Score	160
Exons	38726..38815, 39967..40232, 41797..41955		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33771	Strand	+
Start	38683	End	45310
Name	OJ990617_11.9B19.C21.o7.gs	Method	GENSCAN
Start	39622	End	40194
GI	none	Score	.7
Exons	39622..39777, 39994..40194		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33771	Strand	+

Start	38683	End	45310
Name	OJ990617_11.9B19.C21.o5.gp	Method	AAT/GAP
Start	41482	End	41671
GI	none	Score	344
Exons	41482..41671		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33771	Strand	+
Start	38683	End	45310
Name	OJ990617_11.9B19.C21.o8.gs	Method	GENSCAN
Start	41826	End	45310
GI	none	Score	.78
Exons	41826..41961, 42043..42122, 42696..42782, 42885..42962, 43043..43134, 43228..43429, 43740..43791, 44259..44317, 44509..44657, 44758..44839, 44924..45310		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33771	Strand	+
Start	38683	End	45310
Name	OJ990617_11.9B19.C21.o8.np	Method	AAT/NAP
Start	42663	End	45310
GI	3063453	Score	1378
Exons	42663..42782, 42885..42962, 43043..43429, 43740..43830, 44259..44317, 44509..44661, 44924..45310		
GI Descrip.	(AC003981) F22O13.15 [Arabidopsis thaliana]		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33771	Strand	+
Start	38683	End	45310
Name	OJ990617_11.9B19.C21.o6.gp	Method	AAT/GAP
Start	44005	End	44634
GI	LIB3431-021-P1-K1-E3	Score	819
Exons	44005..44317, 44509..44634		
GI Descrip.	'3063453 1.0e-18 (AC003981) F22O13.15 [Arabidopsis thaliana]'		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33772	Strand	+
Start	50624	End	51121
Name	OJ990617_11.9B19.C21.o10.np	Method	AAT/NAP
Start	50624	End	51121
GI	6523547	Score	117
Exons	50624..51121		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33773	Strand	-
Start	1	End	13023
Name	OJ990617_11.9B19.C21.o1.np	Method	AAT/NAP
Start	1	End	5596
GI	6498441	Score	6821
Exons	1..230, 324..1721, 1893..2189, 2382..2808, 2983..3117, 3301..3674, 3738..4201, 4532..5596		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33773	Strand	-
Start	1	End	13023
Name	OJ990617_11.9B19.C21.o1.gs	Method	GENSCAN
Start	62	End	3611
GI	none	Score	.89
Exons	62..392, 402..1967, 2091..3611		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33773	Strand	-
Start	1	End	13023
Name	OJ990617_11.9B19.C21.o2.gs	Method	GENSCAN
Start	3675	End	7165
GI	none	Score	.85
Exons	3675..6119, 6176..6382, 6617..6706, 6806..6878, 7056..7165		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33773	Strand	-
Start	1	End	13023
Name	OJ990617_11.9B19.C21.o2.np	Method	AAT/NAP
Start	6329	End	13023
GI	5042454	Score	230
Exons	6329..6382, 6617..6804, 12979..13023		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33774	Strand	-
Start	18732	End	18964
Name	OJ990617_11.9B19.C21.o3.gp	Method	AAT/GAP
Start	18732	End	18964
GI	3106569	Score	395
Exons	18732..18964		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33775	Strand	-
Start	28478	End	38172
Name	OJ990617_11.9B19.C21.o5.gs	Method	GENSCAN
Start	28478	End	38172
GI	none	Score	.51
Exons	28478..30393, 31536..31682, 34559..34660, 35298..37263, 37540..38172		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33775	Strand	-
Start	28478	End	38172
Name	OJ990617_11.9B19.C21.o4.np	Method	AAT/NAP
Start	31525	End	35656
GI	5001454	Score	101
Exons	31525..31570, 33605..33858, 35632..35656		
GI Descrip.	(AC007730) putative non-LTR retrolelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33775	Strand	-
Start	28478	End	38172
Name	OJ990617_11.9B19.C21.o6.np	Method	AAT/NAP
Start	36658	End	37674

GI	2792248	Score	191
Exons	36658..37263, 37540..37674		
GI Descrip.	(AF032702) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33776	Strand	-
Start	45220	End	45706
Name	OJ990617_11.9B19.C21.o7.gp	Method	AAT/GAP
Start	45220	End	45706
GI	none	Score	954
Exons	45220..45706		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o7.tw	Method	TBLASTX:Wheat
Start	3	End	560
GI	none	Score	168
Exons	3..83, 250..558, 270..560, 277..555		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o4.tw	Method	TBLASTX:Wheat
Start	561	End	942
GI	none	Score	166
Exons	561..941, 592..840, 600..938, 886..942		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o6.tm	Method	TBLASTX:Maize
Start	756	End	1079
GI	none	Score	203
Exons	756..1079, 769..1050		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o10.tw	Method	TBLASTX:Wheat
Start	1272	End	1584
GI	none	Score	62
Exons	1272..1532, 1408..1584		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o8.ts	Method	TBLASTX:Soybean
Start	1332	End	1898
GI	5666795	Score	69
Exons	1332..1532, 1587..1724, 1800..1898		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o5.tw	Method	TBLASTX:Wheat

Start	1587	End	5047
GI	none	Score	88
Exons	1587..1736, 1588..1725, 1590..1727, 1770..2021, 1771..1956, 1791..2045, 4994..5047		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o2.tw	Method	TBLASTX:Wheat
Start	2701	End	3096
GI	none	Score	295
Exons	2701..3096, 2712..3095		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o5.ts	Method	TBLASTX:Soybean
Start	2712	End	3047
GI	none	Score	90
Exons	2712..3047, 2857..3000		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o5.tm	Method	TBLASTX:Maize
Start	2769	End	3153
GI	none	Score	230
Exons	2769..3152, 2788..3153		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o4.tm	Method	TBLASTX:Maize
Start	3180	End	3536
GI	none	Score	125
Exons	3180..3485, 3180..3536, 3190..3501		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o1.tw	Method	TBLASTX:Wheat
Start	3204	End	3666
GI	none	Score	220
Exons	3204..3665, 3210..3665, 3211..3666		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o11.ts	Method	TBLASTX:Soybean
Start	3261	End	3626
GI	none	Score	119
Exons	3261..3395, 3402..3626		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o3.tw	Method	TBLASTX:Wheat

Start	3831	End	4317
GI	none	Score	166
Exons	3831..4316, 3862..4122, 4144..4317		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o6.tw	Method	TBLASTX:Wheat
Start	5055	End	5447
GI	none	Score	100
Exons	5055..5312, 5089..5328, 5295..5393, 5296..5388, 5400..5447		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o12.tm	Method	TBLASTX:Maize
Start	5157	End	5405
GI	none	Score	194
Exons	5157..5405		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o7.tm	Method	TBLASTX:Maize
Start	10939	End	11693
GI	none	Score	49
Exons	10939..10965, 10940..10963, 11029..11112, 11031..11087, 11033..11098, 11242..11322, 11246..11323, 11247..11324, 11247..11324, 11248..11325, 11399..11461, 11401..11475, 11403..11462, 11542..11685, 11543..11692, 11547..11693, 11547..11693		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o3.ts	Method	TBLASTX:Soybean
Start	12279	End	12622
GI	none	Score	160
Exons	12279..12410, 12287..12409, 12504..12614, 12506..12622		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o10.ts	Method	TBLASTX:Soybean
Start	12797	End	13620
GI	none	Score	202
Exons	12797..12916, 12798..12920, 12805..12948, 13322..13384, 13323..13382, 13549..13620, 13550..13618		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o2.tm	Method	TBLASTX:Maize
Start	13330	End	16529
GI	none	Score	86
Exons	13330..13410, 13331..13411, 13529..13714, 13546..13716, 13547..13717, 14353..14445, 14360..14446, 15091..15282,		

15096..15281, 15366..15404, 15367..15405, 15368..15412,
15370..15423, 15494..15619, 15495..15620, 15495..15620,
15496..15630, 16452..16520, 16460..16528, 16461..16529

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o9.ts	Method	TBLASTX:Soybean
Start	15126	End	15566
GI	none	Score	203
Exons	15126..15248, 15136..15282, 15136..15282, 15494..15565, 15495..15566		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o8.tm	Method	TBLASTX:Maize
Start	16860	End	18585
GI	none	Score	37
Exons	16860..16886, 16909..17004, 16910..16966, 16911..17006, 16911..17003, 16939..17019, 17570..17827, 17571..17639, 17572..17769, 17682..17816, 18391..18456, 18393..18455, 18549..18584, 18550..18585		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o11.tm	Method	TBLASTX:Maize
Start	28571	End	29494
GI	none	Score	65
Exons	28571..28696, 28760..29017, 29111..29224, 29225..29494, 29259..29438, 29336..29455		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o1.tc	Method	TBLASTX:Cress
Start	35332	End	37218
GI	none	Score	100
Exons	35332..35463, 35527..35661, 36145..36426, 36451..36714, 37087..37218		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o6.ts	Method	TBLASTX:Soybean
Start	42694	End	42962
GI	none	Score	76
Exons	42694..42780, 42695..42781, 42702..42782, 42702..42782, 42703..42783, 42878..42961, 42884..42961, 42885..42962		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o3.tm	Method	TBLASTX:Maize
Start	43045	End	44321
GI	none	Score	157

Exons	43045..43134, 43046..43135, 43228..43428, 43229..43429, 43737..43856, 43737..43856, 43739..43864, 43739..43864, 44219..44317, 44238..44321, 44272..44319		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o9.tm	Method	TBLASTX:Maize
Start	44476	End	45055
GI	none	Score	164
Exons	44476..44658, 44559..44657, 44740..44838, 44759..44842, 44909..45055		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o3.tc	Method	TBLASTX:Cress
Start	44590	End	44863
GI	none	Score	78
Exons	44590..44637, 44635..44658, 44758..44838, 44759..44863, 44767..44841		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o1.ts	Method	TBLASTX:Soybean
Start	44623	End	45078
GI	none	Score	69
Exons	44623..44658, 44625..44657, 44741..44842, 44758..44838, 44758..44844, 44759..44842, 44909..45076, 44923..45078		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o10.tm	Method	TBLASTX:Maize
Start	45121	End	45312
GI	none	Score	240
Exons	45121..45312, 45122..45298		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o7.ts	Method	TBLASTX:Soybean
Start	45146	End	45303
GI	none	Score	208
Exons	45146..45292, 45154..45303		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o1.tm	Method	TBLASTX:Maize
Start	46257	End	49759
GI	none	Score	75
Exons	46257..46340, 46403..46459, 46917..46979, 46918..46980, 46936..46980, 47004..47126, 47017..47109, 47028..47117, 47091..47288, 47115..47309, 47143..47304, 47355..47435, 47359..47436, 47360..47437, 47360..47437, 47444..47479,		

47446..47475, 47447..47476, 47555..47665, 47556..47663,
47557..47694, 47557..47664, 47707..47946, 47708..47935,
47709..47948, 47764..47958, 47871..47948, 48034..48156,
48036..48185, 48251..48328, 48255..48317, 49461..49517,
49468..49518, 49470..49517, 49593..49757, 49599..49757,
49606..49758, 49607..49759

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o8.gp	Method	AAT/GAP
Start	46264	End	47865
GI	16696_1.R1084	Score	2011
Exons	46264..46537, 46896..47277, 47363..47473, 47557..47865		
GI Descrip.	'3790587 1.0e-14 (AF079182) RING-H2 finger protein RHF2a [Arabidopsis thaliana]'		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o9.gs	Method	GENSCAN
Start	46950	End	51066
GI	none	Score	.78
Exons	46950..47277, 47557..47942, 49602..49767, 50931..51066		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o9.np	Method	AAT/NAP
Start	46953	End	49739
GI	3790587	Score	868
Exons	46953..47277, 47363..47463, 47583..47942, 48045..48153, 48255..48317, 49471..49517, 49602..49739		
GI Descrip.	(AF079182) RING-H2 finger protein RHF2a [Arabidopsis thaliana]		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o2.tc	Method	TBLASTX:Cress
Start	47043	End	49751
GI	none	Score	88
Exons	47043..47309, 47122..47313, 47124..47288, 47143..47310, 47359..47457, 47360..47455, 47766..47804, 47783..47926, 47871..47954, 48036..48155, 48041..48184, 48045..48155, 48251..48328, 48255..48317, 49461..49517, 49470..49517, 49599..49751, 49603..49704		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o4.ts	Method	TBLASTX:Soybean
Start	47100	End	47401
GI	none	Score	115
Exons	47100..47276, 47100..47309, 47143..47304, 47360..47401		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-

Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o8.tw	Method	TBLASTX:Wheat
Start	47112	End	47280
GI	none	Score	73
Exons	47112..47279, 47130..47279, 47143..47280		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o2.ts	Method	TBLASTX:Soybean
Start	47401	End	49704
GI	none	Score	94
Exons	47401..47472, 47568..47657, 47763..47807, 47767..47868, 47787..47993, 47794..47925, 47871..47954, 48041..48154, 48042..48155, 48251..48328, 48255..48317, 48259..48318, 49468..49515, 49470..49517, 49599..49703, 49606..49704, 49607..49702		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o9.gp	Method	AAT/GAP
Start	47759	End	48317
GI	16696_2.R1084	Score	500
Exons	47759..47894, 48045..48153, 48255..48317		
GI Descrip.	'3790587 5.0e-57 (AF079182) RING-H2 finger protein RHF2a [Arabidopsis thaliana]'		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o9.tw	Method	TBLASTX:Wheat
Start	47826	End	48153
GI	none	Score	124
Exons	47826..47954, 47827..47955, 47831..47941, 47842..47946, 47871..47954, 48033..48143, 48035..48148, 48037..48153		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o10.gp	Method	AAT/GAP
Start	47860	End	48318
GI	16696_2.R1084	Score	354
Exons	47860..47894, 48045..48153, 48255..48318		
GI Descrip.	'3790587 5.0e-57 (AF079182) RING-H2 finger protein RHF2a [Arabidopsis thaliana]'		

Seq. No.	15983	Seq. ID	OJ990617_11.9B19.C21
Gene No.	33777	Strand	-
Start	46950	End	51066
Name	OJ990617_11.9B19.C21.o11.gp	Method	AAT/GAP
Start	49097	End	49768
GI	16696_2.R1084	Score	366
Exons	49097..49123, 49462..49517, 49602..49768		
GI Descrip.	'3790587 5.0e-57 (AF079182) RING-H2 finger protein RHF2a [Arabidopsis thaliana]'		

Seq. No.	15984	Seq. ID	OJ990617_11.9B19.C22
Gene No.	33778	Strand	-
Start	292	End	416
Name	OJ990617_11.9B19.C22.o1.gp	Method	AAT/GAP
Start	292	End	416
GI	16696_2.R1084	Score	222
Exons	292..416		
GI Descrip.	'3790587 5.0e-57 (AF079182) RING-H2 finger protein RHF2a [Arabidopsis thaliana]'		

Seq. No.	15985	Seq. ID	OJ990617_11.9B19.C23
Gene No.	33779	Strand	+
Start	1	End	512
Name	OJ990617_11.9B19.C23.o1.np	Method	AAT/NAP
Start	1	End	512
GI	6671947	Score	184
Exons	1..28, 188..246, 341..512		
GI Descrip.	(AC016795) putative ubiquitin carboxyl-terminal hydrolase [Arabidopsis thaliana]		

Seq. No.	15985	Seq. ID	OJ990617_11.9B19.C23
Gene No.	33779	Strand	+
Start	1	End	512
Name	OJ990617_11.9B19.C23.o1.tm	Method	TBLASTX:Maize
Start	173	End	511
GI	none	Score	103
Exons	173..247, 183..242, 184..243, 319..498, 322..390, 335..511, 425..511		

Seq. No.	15985	Seq. ID	OJ990617_11.9B19.C23
Gene No.	33779	Strand	+
Start	1	End	512
Name	OJ990617_11.9B19.C23.o1.tc	Method	TBLASTX:Cress
Start	183	End	511
GI	none	Score	63
Exons	183..242, 184..243, 347..511, 350..511		

Seq. No.	15985	Seq. ID	OJ990617_11.9B19.C23
Gene No.	33779	Strand	+
Start	1	End	512
Name	OJ990617_11.9B19.C23.o1.ts	Method	TBLASTX:Soybean
Start	184	End	511
GI	none	Score	79
Exons	184..243, 186..239, 335..511, 335..511		

Seq. No.	15986	Seq. ID	OJ990727_10.9B05.C1
Gene No.	33780	Strand	-
Start	334	End	1509
Name	OJ990727_10.9B05.C1.o1.np	Method	AAT/NAP
Start	334	End	1509
GI	5042463	Score	61
Exons	334..490, 1477..1509		
GI Descrip.	(AC007789) unknown protein [Oryza sativa]		

Seq. No.	15986	Seq. ID	OJ990727_10.9B05.C1
Gene No.	33780	Strand	-
Start	334	End	1509

Name	OJ990727_10.9B05.C1.o1.gs	Method	GENSCAN
Start	669	End	892
GI	none	Score	.81
Exons	669..892		

Seq. No.	15987	Seq. ID	OJ990727_10.9B05.C4
Gene No.	33781	Strand	-
Start	16	End	185
Name	OJ990727_10.9B05.C4.o1.gs	Method	GENSCAN
Start	16	End	185
GI	none	Score	.61
Exons	16..185		

Seq. No.	15988	Seq. ID	OJ990727_10.9B05.C5
Gene No.	33782	Strand	+
Start	1	End	5052
Name	OJ990727_10.9B05.C5.o2.np	Method	AAT/NAP
Start	1	End	5052
GI	5295955	Score	700
Exons	1..72, 1115..1266, 2424..2540, 3083..3197, 3878..4294, 4373..4448, 4488..5052		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	15988	Seq. ID	OJ990727_10.9B05.C5
Gene No.	33783	Strand	-
Start	1	End	5719
Name	OJ990727_10.9B05.C5.o1.np	Method	AAT/NAP
Start	1	End	1461
GI	4680179	Score	1545
Exons	1..1461		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	15988	Seq. ID	OJ990727_10.9B05.C5
Gene No.	33783	Strand	-
Start	1	End	5719
Name	OJ990727_10.9B05.C5.o2.tw	Method	TBLASTX:Wheat
Start	148	End	384
GI	none	Score	74
Exons	148..312, 170..265, 319..384		

Seq. No.	15988	Seq. ID	OJ990727_10.9B05.C5
Gene No.	33783	Strand	-
Start	1	End	5719
Name	OJ990727_10.9B05.C5.o1.gs	Method	GENSCAN
Start	168	End	4853
GI	none	Score	.41
Exons	168..1458, 1606..1651, 3611..3662, 4072..4299, 4390..4501, 4659..4853		

Seq. No.	15988	Seq. ID	OJ990727_10.9B05.C5
Gene No.	33783	Strand	-
Start	1	End	5719
Name	OJ990727_10.9B05.C5.o1.tm	Method	TBLASTX:Maize
Start	652	End	948
GI	none	Score	110
Exons	652..948, 761..931		

Seq. No.	15988	Seq. ID	OJ990727_10.9B05.C5
Gene No.	33783	Strand	-
Start	1	End	5719
Name	OJ990727_10.9B05.C5.o1.tw	Method	TBLASTX:Wheat
Start	829	End	1192
GI	none	Score	84
Exons	829..1188, 830..1063, 1088..1192		

Seq. No.	15988	Seq. ID	OJ990727_10.9B05.C5
Gene No.	33783	Strand	-
Start	1	End	5719
Name	OJ990727_10.9B05.C5.o3.np	Method	AAT/NAP
Start	2195	End	5694
GI	2129618	Score	187
Exons	2195..2230, 5309..5694		
GI Descrip.	hypothetical protein 1 - Arabidopsis thaliana retrotransposon Athila gi\|806535\|emb\|CAA57397\| (X81801) Athila ORF 1 [Arabidopsis thaliana]		

Seq. No.	15988	Seq. ID	OJ990727_10.9B05.C5
Gene No.	33783	Strand	-
Start	1	End	5719
Name	OJ990727_10.9B05.C5.o3.tw	Method	TBLASTX:Wheat
Start	5344	End	5559
GI	none	Score	174
Exons	5344..5559		

Seq. No.	15988	Seq. ID	OJ990727_10.9B05.C5
Gene No.	33783	Strand	-
Start	1	End	5719
Name	OJ990727_10.9B05.C5.o2.gs	Method	GENSCAN
Start	5362	End	5719
GI	none	Score	.97
Exons	5362..5719		

Seq. No.	15989	Seq. ID	OJ990727_10.9B05.C6
Gene No.	33784	Strand	+
Start	180	End	2171
Name	OJ990727_10.9B05.C6.o1.gs	Method	GENSCAN
Start	180	End	2171
GI	none	Score	.61
Exons	180..344, 1171..1286, 1317..1662, 2028..2171		

Seq. No.	15989	Seq. ID	OJ990727_10.9B05.C6
Gene No.	33785	Strand	-
Start	2745	End	3932
Name	OJ990727_10.9B05.C6.o2.gs	Method	GENSCAN
Start	2745	End	3932
GI	none	Score	.53
Exons	2745..2975, 3027..3251, 3269..3342, 3683..3932		

Seq. No.	15989	Seq. ID	OJ990727_10.9B05.C6
Gene No.	33785	Strand	-
Start	2745	End	3932
Name	OJ990727_10.9B05.C6.o1.np	Method	AAT/NAP
Start	3225	End	3932

GI	6815052	Score	403
Exons	3225..3342, 3623..3697, 3779..3932		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	15990	Seq. ID	OJ990727_10.9B05.C8
Gene No.	33786	Strand	+
Start	506	End	582
Name	OJ990727_10.9B05.C8.o1.gs	Method	GENSCAN
Start	506	End	582
GI	none	Score	.65
Exons	506..582		

Seq. No.	15991	Seq. ID	OJ990727_10.9B05.C9
Gene No.	33787	Strand	-
Start	257	End	14929
Name	OJ990727_10.9B05.C9.o1.np	Method	AAT/NAP
Start	257	End	11462
GI	4680179	Score	5720
Exons	257..4579, 10699..10772, 11346..11462		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	15991	Seq. ID	OJ990727_10.9B05.C9
Gene No.	33787	Strand	-
Start	257	End	14929
Name	OJ990727_10.9B05.C9.o2.gs	Method	GENSCAN
Start	11134	End	14929
GI	none	Score	.83
Exons	11134..11898, 14286..14527, 14878..14929		

Seq. No.	15991	Seq. ID	OJ990727_10.9B05.C9
Gene No.	33787	Strand	-
Start	257	End	14929
Name	OJ990727_10.9B05.C9.o2.np	Method	AAT/NAP
Start	11137	End	11898
GI	4512229	Score	1230
Exons	11137..11898		
GI Descrip.	(AB014740) ORF0 protein [Oryza sativa]		

Seq. No.	15991	Seq. ID	OJ990727_10.9B05.C9
Gene No.	33788	Strand	-
Start	15267	End	18119
Name	OJ990727_10.9B05.C9.o7.tm	Method	TBLASTX:Maize
Start	247	End	15506
GI	none	Score	48
Exons	247..279, 247..279, 281..493, 372..482, 15260..15292, 15260..15301, 15294..15476, 15294..15506		

Seq. No.	15991	Seq. ID	OJ990727_10.9B05.C9
Gene No.	33788	Strand	-
Start	15267	End	18119
Name	OJ990727_10.9B05.C9.o5.tw	Method	TBLASTX:Wheat
Start	302	End	15648
GI	none	Score	143
Exons	302..634, 354..635, 15315..15647, 15508..15555, 15531..15644, 15574..15648		

Seq. No.	15991	Seq. ID	OJ990727_10.9B05.C9

Gene No.	33788	Strand	-
Start	15267	End	18119
Name	OJ990727_10.9B05.C9.o1.tm	Method	TBLASTX:Maize
Start	497	End	16094
GI	none	Score	91
Exons	497..922, 498..695, 759..923, 920..1081, 927..1082, 15510..15935, 15633..15821, 15634..15936, 15931..16086, 15933..16094, 15940..16086, 15942..16088		

Seq. No.	15991	Seq. ID	OJ990727_10.9B05.C9
Gene No.	33788	Strand	-
Start	15267	End	18119
Name	OJ990727_10.9B05.C9.o1.tw	Method	TBLASTX:Wheat
Start	635	End	16274
GI	none	Score	44
Exons	635..1261, 636..695, 756..1202, 15648..16274, 15649..15717, 15653..16075, 15654..16181, 15760..16272		

Seq. No.	15991	Seq. ID	OJ990727_10.9B05.C9
Gene No.	33788	Strand	-
Start	15267	End	18119
Name	OJ990727_10.9B05.C9.o3.tm	Method	TBLASTX:Maize
Start	1130	End	16434
GI	none	Score	300
Exons	1130..1420, 1134..1421, 1134..1421, 1219..1422, 16143..16433, 16147..16434		

Seq. No.	15991	Seq. ID	OJ990727_10.9B05.C9
Gene No.	33788	Strand	-
Start	15267	End	18119
Name	OJ990727_10.9B05.C9.o2.ts	Method	TBLASTX:Soybean
Start	1220	End	16493
GI	none	Score	187
Exons	1220..1480, 1221..1469, 16232..16450, 16233..16469, 16233..16493, 16234..16491		

Seq. No.	15991	Seq. ID	OJ990727_10.9B05.C9
Gene No.	33788	Strand	-
Start	15267	End	18119
Name	OJ990727_10.9B05.C9.o1.tc	Method	TBLASTX:Cress
Start	1244	End	16583
GI	none	Score	87
Exons	1244..1387, 1245..1385, 1388..1570, 16257..16400, 16258..16398, 16401..16583		

Seq. No.	15991	Seq. ID	OJ990727_10.9B05.C9
Gene No.	33788	Strand	-
Start	15267	End	18119
Name	OJ990727_10.9B05.C9.o2.tw	Method	TBLASTX:Wheat
Start	1268	End	16817
GI	none	Score	304
Exons	1268..1807, 1272..1625, 16281..16817, 16282..16815		

Seq. No.	15991	Seq. ID	OJ990727_10.9B05.C9
Gene No.	33788	Strand	-
Start	15267	End	18119
Name	OJ990727_10.9B05.C9.o2.tm	Method	TBLASTX:Maize

Start	1835	End	17201
GI	none	Score	212
Exons	1835..2188, 1842..2183, 16848..17201, 16855..16887, 16863..17195, 16933..17196		

Seq. No.	15991	Seq. ID	OJ990727_10.9B05.C9
Gene No.	33788	Strand	-
Start	15267	End	18119
Name	OJ990727_10.9B05.C9.o3.tw	Method	TBLASTX:Wheat
Start	1835	End	17274
GI	none	Score	317
Exons	1835..2260, 1842..2258, 16848..17198, 16848..17273, 16855..17274		

Seq. No.	15991	Seq. ID	OJ990727_10.9B05.C9
Gene No.	33788	Strand	-
Start	15267	End	18119
Name	OJ990727_10.9B05.C9.o3.ts	Method	TBLASTX:Soybean
Start	2006	End	17264
GI	none	Score	205
Exons	2006..2254, 17019..17264		

Seq. No.	15991	Seq. ID	OJ990727_10.9B05.C9
Gene No.	33788	Strand	-
Start	15267	End	18119
Name	OJ990727_10.9B05.C9.o5.tm	Method	TBLASTX:Maize
Start	2195	End	17540
GI	none	Score	144
Exons	2195..2527, 2196..2474, 17203..17487, 17208..17540		

Seq. No.	15991	Seq. ID	OJ990727_10.9B05.C9
Gene No.	33788	Strand	-
Start	15267	End	18119
Name	OJ990727_10.9B05.C9.o6.tw	Method	TBLASTX:Wheat
Start	2261	End	17549
GI	none	Score	250
Exons	2261..2524, 2262..2522, 17275..17529, 17275..17535, 17277..17537, 17319..17549, 17333..17545		

Seq. No.	15991	Seq. ID	OJ990727_10.9B05.C9
Gene No.	33788	Strand	-
Start	15267	End	18119
Name	OJ990727_10.9B05.C9.o1.ts	Method	TBLASTX:Soybean
Start	2276	End	17684
GI	none	Score	189
Exons	2276..2527, 2286..2519, 2582..2635, 2592..2633, 2639..2671, 2639..2671, 17289..17540, 17299..17529, 17346..17543, 17503..17646, 17568..17648, 17595..17648, 17652..17684, 17652..17684		

Seq. No.	15991	Seq. ID	OJ990727_10.9B05.C9
Gene No.	33788	Strand	-
Start	15267	End	18119
Name	OJ990727_10.9B05.C9.o4.tm	Method	TBLASTX:Maize
Start	2582	End	18038
GI	none	Score	64
Exons	2582..3025, 2787..3029, 17595..18038, 17604..17966		

Seq. No.	15991	Seq. ID	OJ990727_10.9B05.C9
Gene No.	33788	Strand	-
Start	15267	End	18119
Name	OJ990727_10.9B05.C9.o4.tw	Method	TBLASTX:Wheat
Start	2612	End	18099
GI	none	Score	238
Exons	2612..3094, 2615..3091, 2787..3095, 17625..18095, 17667..17996, 17818..18099		

Seq. No.	15991	Seq. ID	OJ990727_10.9B05.C9
Gene No.	33788	Strand	-
Start	15267	End	18119
Name	OJ990727_10.9B05.C9.o4.ts	Method	TBLASTX:Soybean
Start	2741	End	18071
GI	none	Score	196
Exons	2741..3058, 17757..18071		

Seq. No.	15991	Seq. ID	OJ990727_10.9B05.C9
Gene No.	33788	Strand	-
Start	15267	End	18119
Name	OJ990727_10.9B05.C9.o8.tm	Method	TBLASTX:Maize
Start	3030	End	18101
GI	none	Score	156
Exons	3030..3185, 3032..3223, 9224..9331, 9228..9314, 18039..18101		

Seq. No.	15991	Seq. ID	OJ990727_10.9B05.C9
Gene No.	33788	Strand	-
Start	15267	End	18119
Name	OJ990727_10.9B05.C9.o8.tw	Method	TBLASTX:Wheat
Start	3227	End	9691
GI	none	Score	93
Exons	3227..3580, 3264..3404, 9371..9691, 9378..9542		

Seq. No.	15991	Seq. ID	OJ990727_10.9B05.C9
Gene No.	33788	Strand	-
Start	15267	End	18119
Name	OJ990727_10.9B05.C9.o7.tw	Method	TBLASTX:Wheat
Start	3914	End	10416
GI	none	Score	49
Exons	3914..4264, 4048..4116, 4092..4265, 10072..10416		

Seq. No.	15991	Seq. ID	OJ990727_10.9B05.C9
Gene No.	33788	Strand	-
Start	15267	End	18119
Name	OJ990727_10.9B05.C9.o6.tm	Method	TBLASTX:Maize
Start	3959	End	10416
GI	none	Score	47
Exons	3959..4264, 10117..10416, 10118..10198, 10260..10298, 10286..10390		

Seq. No.	15991	Seq. ID	OJ990727_10.9B05.C9
Gene No.	33788	Strand	-
Start	15267	End	18119
Name	OJ990727_10.9B05.C9.o9.tw	Method	TBLASTX:Wheat
Start	4316	End	10650
GI	none	Score	135
Exons	4316..4513, 4317..4514, 10468..10650, 10469..10648		

Seq. No.	15991	Seq. ID	OJ990727_10.9B05.C9
Gene No.	33788	Strand	-
Start	15267	End	18119
Name	OJ990727_10.9B05.C9.o3.gs	Method	GENSCAN
Start	15267	End	18059
GI	none	Score	1
Exons	15267..18059		

Seq. No.	15991	Seq. ID	OJ990727_10.9B05.C9
Gene No.	33788	Strand	-
Start	15267	End	18119
Name	OJ990727_10.9B05.C9.o3.np	Method	AAT/NAP
Start	15270	End	18119
GI	4680179	Score	4289
Exons	15270..18119		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	15992	Seq. ID	OJ990727_10.9B05.C10
Gene No.	33789	Strand	+
Start	1605	End	4054
Name	OJ990727_10.9B05.C10.o1.gs	Method	GENSCAN
Start	1605	End	4054
GI	none	Score	.77
Exons	1605..1963, 2045..2210, 2217..2669, 2705..2830, 2848..3129, 3202..3261, 3332..3442, 3523..3677, 3706..4054		

Seq. No.	15992	Seq. ID	OJ990727_10.9B05.C10
Gene No.	33790	Strand	+
Start	5161	End	6869
Name	OJ990727_10.9B05.C10.o1.np	Method	AAT/NAP
Start	5161	End	6869
GI	6063554	Score	314
Exons	5161..5376, 5495..5754, 6697..6869		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	15992	Seq. ID	OJ990727_10.9B05.C10
Gene No.	33791	Strand	-
Start	5110	End	5818
Name	OJ990727_10.9B05.C10.o2.gs	Method	GENSCAN
Start	5110	End	5818
GI	none	Score	.47
Exons	5110..5268, 5348..5405, 5478..5818		

Seq. No.	15992	Seq. ID	OJ990727_10.9B05.C10
Gene No.	33792	Strand	-
Start	7799	End	8170
Name	OJ990727_10.9B05.C10.o3.gs	Method	GENSCAN
Start	7799	End	8170
GI	none	Score	.98
Exons	7799..8170		

Seq. No.	15993	Seq. ID	OJ990727_10.9B05.C11
Gene No.	33793	Strand	+
Start	709	End	897

Name	OJ990727_10.9B05.C11.o1.gp	Method	AAT/GAP
Start	709	End	897
GI	LIB3433-026-P1-K1-C1	Score	268
Exons	709..897		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	15993	Seq. ID	OJ990727_10.9B05.C11
Gene No.	33794	Strand	-
Start	1	End	5934
Name	OJ990727_10.9B05.C11.o1.np	Method	AAT/NAP
Start	1	End	3898
GI	4378066	Score	282
Exons	1..427, 3870..3898		
GI Descrip.	(AF098806) polyprotein [Sorghum bicolor] gi\|4680208\|gb\|AAD27571.1\|AF114171_12 (AF114171) polyprotein [Sorghum bicolor]		

Seq. No.	15993	Seq. ID	OJ990727_10.9B05.C11
Gene No.	33794	Strand	-
Start	1	End	5934
Name	OJ990727_10.9B05.C11.o1.gs	Method	GENSCAN
Start	115	End	582
GI	none	Score	.69
Exons	115..582		

Seq. No.	15993	Seq. ID	OJ990727_10.9B05.C11
Gene No.	33794	Strand	-
Start	1	End	5934
Name	OJ990727_10.9B05.C11.o2.gs	Method	GENSCAN
Start	1984	End	5862
GI	none	Score	.43
Exons	1984..2081, 2257..2563, 2680..2806, 3269..3474, 3748..4002, 4381..5244, 5437..5862		

Seq. No.	15993	Seq. ID	OJ990727_10.9B05.C11
Gene No.	33794	Strand	-
Start	1	End	5934
Name	OJ990727_10.9B05.C11.o2.np	Method	AAT/NAP
Start	1987	End	2494
GI	5852178	Score	244
Exons	1987..2494		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	15993	Seq. ID	OJ990727_10.9B05.C11
Gene No.	33794	Strand	-
Start	1	End	5934
Name	OJ990727_10.9B05.C11.o3.np	Method	AAT/NAP
Start	3211	End	5934
GI	4680179	Score	3916
Exons	3211..5934		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	15993	Seq. ID	OJ990727_10.9B05.C11
Gene No.	33795	Strand	-
Start	6611	End	6784
Name	OJ990727_10.9B05.C11.o4.tm	Method	TBLASTX:Maize

Start	1	End	5931
GI	none	Score	59
Exons	1..156, 5536..5706, 5722..5931, 5795..5902		

Seq. No.	15993	Seq. ID	OJ990727_10.9B05.C11
Gene No.	33795	Strand	-
Start	6611	End	6784
Name	OJ990727_10.9B05.C11.o4.tw	Method	TBLASTX:Wheat
Start	1	End	5932
GI	none	Score	88
Exons	1..156, 5566..5733, 5609..5725, 5719..5931, 5735..5932		

Seq. No.	15993	Seq. ID	OJ990727_10.9B05.C11
Gene No.	33795	Strand	-
Start	6611	End	6784
Name	OJ990727_10.9B05.C11.o4.ts	Method	TBLASTX:Soybean
Start	16	End	5865
GI	none	Score	70
Exons	16..111, 118..342, 152..331, 5734..5865		

Seq. No.	15993	Seq. ID	OJ990727_10.9B05.C11
Gene No.	33795	Strand	-
Start	6611	End	6784
Name	OJ990727_10.9B05.C11.o7.tw	Method	TBLASTX:Wheat
Start	178	End	483
GI	none	Score	89
Exons	178..483, 179..418		

Seq. No.	15993	Seq. ID	OJ990727_10.9B05.C11
Gene No.	33795	Strand	-
Start	6611	End	6784
Name	OJ990727_10.9B05.C11.o6.tw	Method	TBLASTX:Wheat
Start	3307	End	3589
GI	none	Score	124
Exons	3307..3588, 3308..3589		

Seq. No.	15993	Seq. ID	OJ990727_10.9B05.C11
Gene No.	33795	Strand	-
Start	6611	End	6784
Name	OJ990727_10.9B05.C11.o1.tm	Method	TBLASTX:Maize
Start	3457	End	4036
GI	none	Score	82
Exons	3457..3876, 3461..3649, 3472..3756, 3713..3877, 3874..4035, 3881..4036, 3902..4036		

Seq. No.	15993	Seq. ID	OJ990727_10.9B05.C11
Gene No.	33795	Strand	-
Start	6611	End	6784
Name	OJ990727_10.9B05.C11.o1.tw	Method	TBLASTX:Wheat
Start	3589	End	4215
GI	none	Score	44
Exons	3589..4215, 3590..3649, 3710..4213		

Seq. No.	15993	Seq. ID	OJ990727_10.9B05.C11
Gene No.	33795	Strand	-
Start	6611	End	6784
Name	OJ990727_10.9B05.C11.o3.tm	Method	TBLASTX:Maize

Start	4084	End	4375
GI	none	Score	288
Exons	4084..4374, 4088..4375, 4088..4375		

Seq. No.	15993	Seq. ID	OJ990727_10.9B05.C11
Gene No.	33795	Strand	-
Start	6611	End	6784
Name	OJ990727_10.9B05.C11.o2.ts	Method	TBLASTX:Soybean
Start	4174	End	4434
GI	none	Score	177
Exons	4174..4434, 4175..4429		

Seq. No.	15993	Seq. ID	OJ990727_10.9B05.C11
Gene No.	33795	Strand	-
Start	6611	End	6784
Name	OJ990727_10.9B05.C11.o2.tw	Method	TBLASTX:Wheat
Start	4221	End	4758
GI	none	Score	159
Exons	4221..4571, 4222..4758, 4226..4591		

Seq. No.	15993	Seq. ID	OJ990727_10.9B05.C11
Gene No.	33795	Strand	-
Start	6611	End	6784
Name	OJ990727_10.9B05.C11.o3.tw	Method	TBLASTX:Wheat
Start	4789	End	5214
GI	none	Score	199
Exons	4789..5097, 4789..5214, 4796..5212		

Seq. No.	15993	Seq. ID	OJ990727_10.9B05.C11
Gene No.	33795	Strand	-
Start	6611	End	6784
Name	OJ990727_10.9B05.C11.o2.tm	Method	TBLASTX:Maize
Start	4903	End	5329
GI	none	Score	202
Exons	4903..5328, 4916..5329		

Seq. No.	15993	Seq. ID	OJ990727_10.9B05.C11
Gene No.	33795	Strand	-
Start	6611	End	6784
Name	OJ990727_10.9B05.C11.o3.ts	Method	TBLASTX:Soybean
Start	4960	End	5208
GI	none	Score	186
Exons	4960..5208		

Seq. No.	15993	Seq. ID	OJ990727_10.9B05.C11
Gene No.	33795	Strand	-
Start	6611	End	6784
Name	OJ990727_10.9B05.C11.o5.tw	Method	TBLASTX:Wheat
Start	5215	End	5503
GI	none	Score	238
Exons	5215..5478, 5216..5476, 5411..5503		

Seq. No.	15993	Seq. ID	OJ990727_10.9B05.C11
Gene No.	33795	Strand	-
Start	6611	End	6784
Name	OJ990727_10.9B05.C11.o1.ts	Method	TBLASTX:Soybean
Start	5230	End	5625

GI	none	Score	170
Exons	5230..5481, 5240..5473, 5448..5525, 5536..5589, 5546..5587, 5566..5625, 5593..5625		

Seq. No.	15993	Seq. ID	OJ990727_10.9B05.C11
Gene No.	33795	Strand	-
Start	6611	End	6784
Name	OJ990727_10.9B05.C11.o4.np	Method	AAT/NAP
Start	6611	End	6784
GI	6063554	Score	167
Exons	6611..6784		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	15994	Seq. ID	OJ990727_10.9B05.C12
Gene No.	33796	Strand	+
Start	408	End	4102
Name	OJ990727_10.9B05.C12.o1.gs	Method	GENSCAN
Start	408	End	4102
GI	none	Score	.5
Exons	408..562, 583..720, 1823..1979, 3534..3952, 3964..4102		

Seq. No.	15994	Seq. ID	OJ990727_10.9B05.C12
Gene No.	33796	Strand	+
Start	408	End	4102
Name	OJ990727_10.9B05.C12.o1.gp	Method	AAT/GAP
Start	510	End	1047
GI	uC-osflcyp162a07a1	Score	483
Exons	510..538, 655..720, 820..1047		
GI Descrip.	'4680179/gb\|AAD27547.1\|AF111709_1 2.0e-40 (AF111709) polyprotein [Oryza sativa subsp. indica]'		

Seq. No.	15994	Seq. ID	OJ990727_10.9B05.C12
Gene No.	33797	Strand	+
Start	9204	End	9364
Name	OJ990727_10.9B05.C12.o3.gp	Method	AAT/GAP
Start	9204	End	9364
GI	LIB3433-026-P1-K1-C1	Score	235
Exons	9204..9364		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-44 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	15994	Seq. ID	OJ990727_10.9B05.C12
Gene No.	33798	Strand	+
Start	19072	End	20830
Name	OJ990727_10.9B05.C12.o5.gs	Method	GENSCAN
Start	19072	End	20830
GI	none	Score	.7
Exons	19072..19234, 19789..19841, 20186..20358, 20420..20588, 20684..20830		

Seq. No.	15994	Seq. ID	OJ990727_10.9B05.C12
Gene No.	33799	Strand	-
Start	1	End	9349
Name	OJ990727_10.9B05.C12.o1.np	Method	AAT/NAP
Start	1	End	7298

GI	4680179	Score	1415
Exons	1..19, 5760..6455, 6483..7298		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	15994	Seq. ID	OJ990727_10.9B05.C12
Gene No.	33799	Strand	-
Start	1	End	9349
Name	OJ990727_10.9B05.C12.o2.np	Method	AAT/NAP
Start	2194	End	8069
GI	4680179	Score	1453
Exons	2194..2238, 5779..6455, 6483..7412, 7964..8069		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	15994	Seq. ID	OJ990727_10.9B05.C12
Gene No.	33799	Strand	-
Start	1	End	9349
Name	OJ990727_10.9B05.C12.o2.gs	Method	GENSCAN
Start	5338	End	7478
GI	none	Score	.51
Exons	5338..5394, 5820..7478		

Seq. No.	15994	Seq. ID	OJ990727_10.9B05.C12
Gene No.	33799	Strand	-
Start	1	End	9349
Name	OJ990727_10.9B05.C12.o3.np	Method	AAT/NAP
Start	7766	End	8565
GI	4512231	Score	1150
Exons	7766..8565		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	15994	Seq. ID	OJ990727_10.9B05.C12
Gene No.	33799	Strand	-
Start	1	End	9349
Name	OJ990727_10.9B05.C12.o3.gs	Method	GENSCAN
Start	7768	End	9349
GI	none	Score	.99
Exons	7768..8565, 9341..9349		

Seq. No.	15994	Seq. ID	OJ990727_10.9B05.C12
Gene No.	33800	Strand	-
Start	9751	End	18475
Name	OJ990727_10.9B05.C12.o4.np	Method	AAT/NAP
Start	9751	End	15235
GI	6063554	Score	224
Exons	9751..9957, 11082..11317, 15145..15235		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	15994	Seq. ID	OJ990727_10.9B05.C12
Gene No.	33800	Strand	-
Start	9751	End	18475
Name	OJ990727_10.9B05.C12.o4.gs	Method	GENSCAN
Start	10469	End	18475
GI	none	Score	.51
Exons	10469..10566, 11066..11334, 11562..11681, 12083..12223, 12402..12756, 12806..13028, 13041..13126, 13856..13907,		

14670..14703, 15969..16270, 16452..16780, 17780..17904, 17990..18078, 18085..18233, 18427..18475

Seq. No.	15994	Seq. ID	OJ990727_10.9B05.C12
Gene No.	33801	Strand	-
Start	21128	End	29197
Name	OJ990727_10.9B05.C12.o1.tw	Method	TBLASTX:Wheat
Start	656	End	7061
GI	none	Score	83
Exons	656..742, 6720..7061, 6816..6974		

Seq. No.	15994	Seq. ID	OJ990727_10.9B05.C12
Gene No.	33801	Strand	-
Start	21128	End	29197
Name	OJ990727_10.9B05.C12.o3.tw	Method	TBLASTX:Wheat
Start	794	End	7311
GI	none	Score	79
Exons	794..994, 794..976, 795..995, 7113..7295, 7114..7311		

Seq. No.	15994	Seq. ID	OJ990727_10.9B05.C12
Gene No.	33801	Strand	-
Start	21128	End	29197
Name	OJ990727_10.9B05.C12.o2.tw	Method	TBLASTX:Wheat
Start	6024	End	6377
GI	none	Score	260
Exons	6024..6377		

Seq. No.	15994	Seq. ID	OJ990727_10.9B05.C12
Gene No.	33801	Strand	-
Start	21128	End	29197
Name	OJ990727_10.9B05.C12.o2.tm	Method	TBLASTX:Maize
Start	6723	End	7046
GI	none	Score	236
Exons	6723..7046		

Seq. No.	15994	Seq. ID	OJ990727_10.9B05.C12
Gene No.	33801	Strand	-
Start	21128	End	29197
Name	OJ990727_10.9B05.C12.o2.tc	Method	TBLASTX:Cress
Start	17959	End	18204
GI	none	Score	87
Exons	17959..18204, 17963..18154		

Seq. No.	15994	Seq. ID	OJ990727_10.9B05.C12
Gene No.	33801	Strand	-
Start	21128	End	29197
Name	OJ990727_10.9B05.C12.o3.ts	Method	TBLASTX:Soybean
Start	17959	End	18204
GI	none	Score	80
Exons	17959..18204, 17963..18043, 18104..18160		

Seq. No.	15994	Seq. ID	OJ990727_10.9B05.C12
Gene No.	33801	Strand	-
Start	21128	End	29197
Name	OJ990727_10.9B05.C12.o4.gp	Method	AAT/GAP
Start	21100	End	23731
GI	48248_1.R1084	Score	1137

Exons	21100..21484, 22858..22942, 23067..23158, 23683..23731		
GI Descrip.	'3738312 6.0e-58 (AC005309) hypothetical protein [Arabidopsis thaliana]'		
Seq. No.	15994	Seq. ID	OJ990727_10.9B05.C12
Gene No.	33801	Strand	-
Start	21128	End	29197
Name	OJ990727_10.9B05.C12.o1.tm	Method	TBLASTX:Maize
Start	21128	End	21387
GI	none	Score	214
Exons	21128..21286, 21129..21287, 21135..21287, 21290..21376, 21306..21377, 21313..21387		
Seq. No.	15994	Seq. ID	OJ990727_10.9B05.C12
Gene No.	33801	Strand	-
Start	21128	End	29197
Name	OJ990727_10.9B05.C12.o6.gs	Method	GENSCAN
Start	21128	End	26074
GI	none	Score	.58
Exons	21128..21484, 22858..22942, 23067..23158, 23683..23793, 25985..26074		
Seq. No.	15994	Seq. ID	OJ990727_10.9B05.C12
Gene No.	33801	Strand	-
Start	21128	End	29197
Name	OJ990727_10.9B05.C12.o5.np	Method	AAT/NAP
Start	21131	End	29197
GI	3738312	Score	864
Exons	21131..21484, 22858..22942, 23067..23158, 23683..23793, 26418..26565, 27128..27231, 28636..28925, 29154..29197		
GI Descrip.	(AC005309) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	15994	Seq. ID	OJ990727_10.9B05.C12
Gene No.	33801	Strand	-
Start	21128	End	29197
Name	OJ990727_10.9B05.C12.o3.tc	Method	TBLASTX:Cress
Start	21209	End	21427
GI	none	Score	80
Exons	21209..21286, 21210..21287, 21284..21427, 21312..21398		
Seq. No.	15994	Seq. ID	OJ990727_10.9B05.C12
Gene No.	33801	Strand	-
Start	21128	End	29197
Name	OJ990727_10.9B05.C12.o2.ts	Method	TBLASTX:Soybean
Start	21239	End	21487
GI	none	Score	62
Exons	21239..21280, 21240..21275, 21284..21484, 21285..21398, 21387..21485, 21389..21487		
Seq. No.	15994	Seq. ID	OJ990727_10.9B05.C12
Gene No.	33801	Strand	-
Start	21128	End	29197
Name	OJ990727_10.9B05.C12.o3.tm	Method	TBLASTX:Maize
Start	22894	End	26536
GI	none	Score	67
Exons	22894..22944, 22894..22944, 23067..23198, 23069..23158, 23680..23796, 23681..23797, 26460..26525, 26462..26536		

Seq. No.	15994	Seq. ID	OJ990727_10.9B05.C12
Gene No.	33801	Strand	-
Start	21128	End	29197
Name	OJ990727_10.9B05.C12.o1.ts	Method	TBLASTX:Soybean
Start	23075	End	28885
GI	none	Score	89
Exons	23075..23158, 23680..23796, 23681..23794, 26451..26525, 26453..26539, 26461..26532, 28647..28748, 28652..28885, 28770..28844		

Seq. No.	15994	Seq. ID	OJ990727_10.9B05.C12
Gene No.	33801	Strand	-
Start	21128	End	29197
Name	OJ990727_10.9B05.C12.o1.tc	Method	TBLASTX:Cress
Start	28647	End	28891
GI	none	Score	84
Exons	28647..28745, 28652..28744, 28724..28891, 28770..28844		

Seq. No.	15995	Seq. ID	OJ990727_10.9B05.C13
Gene No.	33802	Strand	+
Start	7326	End	7760
Name	OJ990727_10.9B05.C13.o1.gp	Method	AAT/GAP
Start	7326	End	7760
GI	3073_1.R1084	Score	777
Exons	7326..7760		
GI Descrip.	'133936/sp\|P12146\|RR3_ORYSA 5.0e-95 CHLOROPLAST 30S RIBOSOMAL PROTEIN S3 >gi_70867_pir__R3RZ3 ribosomal protein S3 - rice chloroplast >gi_12025_emb_CAA33934_ (X15901) ribosomal protein S3 [Oryza sativa] >gi_226646_prf__1603356BW ribosomal protein S3 [Oryza sativa]'		

Seq. No.	15995	Seq. ID	OJ990727_10.9B05.C13
Gene No.	33803	Strand	+
Start	10798	End	17225
Name	OJ990727_10.9B05.C13.o5.np	Method	AAT/NAP
Start	10798	End	17225
GI	6751696	Score	51
Exons	10798..10821, 14131..14351, 14433..14714, 15234..15389, 17195..17225		
GI Descrip.	(AC018908) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	15995	Seq. ID	OJ990727_10.9B05.C13
Gene No.	33804	Strand	-
Start	6647	End	7058
Name	OJ990727_10.9B05.C13.o1.np	Method	AAT/NAP
Start	6647	End	7058
GI	6176571	Score	693
Exons	6647..7058		
GI Descrip.	HYPOTHETICAL 14.9 KD PROTEIN YCF72 (ORF137) gi\|82519\|pir\|\|JQ0269 hypothetical 15K protein (trnH-trnV intergenic region) - rice chloroplast gi\|12029\|emb\|CAA33937\| (X15901) ORF137 [Oryza sativa] gi\|12073\|emb\|CAA33925\| (X15901) ORF137 [Oryza sativa] gi\|226651\|prf\|\|1603356CB ORF 137 [Oryza sativa]		

Seq. No.	15995	Seq. ID	OJ990727_10.9B05.C13
Gene No.	33805	Strand	-

Start	7758	End	8938
Name	OJ990727_10.9B05.C13.o2.gp	Method	AAT/GAP
Start	7758	End	8121
GI	5455469	Score	646
Exons	7758..8121		
GI Descrip.	131251/sp\|P12094\|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15		

Seq. No.	15995	Seq. ID	OJ990727_10.9B05.C13
Gene No.	33805	Strand	-
Start	7758	End	8938
Name	OJ990727_10.9B05.C13.o2.np	Method	AAT/NAP
Start	7816	End	8874
GI	131251	Score	1801
Exons	7816..8874		
GI Descrip.	PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) gi\|72661\|pir\|\|FMRZ32 photosystem II protein D1 precursor - rice chloroplast gi\|11958\|emb\|CAA34007\| (X15901) PSII 32kDa protein [Oryza sativa] gi\|343212 (M36191) Q-B protein (psbA) [Oryza sativa] gi\|226249\|prf\|\|1503143A psbA gene [Oryza sativa] gi\|226406\|prf\|\|1510376A quinone bind		

Seq. No.	15995	Seq. ID	OJ990727_10.9B05.C13
Gene No.	33805	Strand	-
Start	7758	End	8938
Name	OJ990727_10.9B05.C13.o3.gp	Method	AAT/GAP
Start	8485	End	8938
GI	24570_1.R1084	Score	876
Exons	8485..8938		
GI Descrip.	'131251/sp\|P12094\|PSBA_ORYSA 8.0e-56 PHOTOSYSTEM Q(B) PROTEIN (32 KD THYLAKOID MEMBRANE PROTEIN) (PHOTOSYSTEM II PROTEIN D1) >gi_72661_pir__FMRZ32 photosystem II protein D1 precursor - rice chloroplast >gi_11958_emb_CAA34007_ (X15901) PSII 32kDa protein [Oryza sativa] >gi_343212 (M36191) Q-B protein (psbA) [Oryza sativa] >gi_226249_prf__1503143A psbA gene [Oryza sativa] >gi_226406_prf__15'		

Seq. No.	15995	Seq. ID	OJ990727_10.9B05.C13
Gene No.	33806	Strand	-
Start	9402	End	11901
Name	OJ990727_10.9B05.C13.o3.np	Method	AAT/NAP
Start	9402	End	11028
GI	140506	Score	2760
Exons	9402..11028		
GI Descrip.	PROBABLE INTRON MATURASE gi\|82531\|pir\|\|JQ0201 hypothetical 65K protein (trnK intron) - rice chloroplast gi\|11959\|emb\|CAA34008\| (X15901) ORF542; ORF within trnK intron [Oryza sativa] gi\|226626\|prf\|\|1603356B trnK intron ORF 542 [Oryza sativa]		

Seq. No.	15995	Seq. ID	OJ990727_10.9B05.C13
Gene No.	33806	Strand	-
Start	9402	End	11901

Name	OJ990727_10.9B05.C13.o4.np	Method	AAT/NAP
Start	9839	End	11901
GI	6721561	Score	65
Exons	9839..9888, 11795..11901		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	15995	Seq. ID	OJ990727_10.9B05.C13
Gene No.	33806	Strand	-
Start	9402	End	11901
Name	OJ990727_10.9B05.C13.o4.gp	Method	AAT/GAP
Start	11383	End	11649
GI	40596_1.R1084	Score	430
Exons	11383..11649		
GI Descrip.	'11957/emb\|X15901\|CHOSXX 1.0e-104 Rice complete chloroplast genome'		

Seq. No.	15995	Seq. ID	OJ990727_10.9B05.C13
Gene No.	33807	Strand	-
Start	12760	End	16553
Name	OJ990727_10.9B05.C13.o4.tw	Method	TBLASTX:Wheat
Start	5158	End	5475
GI	none	Score	52
Exons	5158..5280, 5159..5281, 5281..5475, 5338..5436		

Seq. No.	15995	Seq. ID	OJ990727_10.9B05.C13
Gene No.	33807	Strand	-
Start	12760	End	16553
Name	OJ990727_10.9B05.C13.o1.ts	Method	TBLASTX:Soybean
Start	6285	End	7676
GI	none	Score	91
Exons	6285..6398, 6286..6399, 6380..6574, 6384..6575, 6398..6577, 6409..6654, 6577..6618, 6578..6619, 6580..6705, 6613..6705, 6617..6718, 6675..6896, 6692..6796, 6703..6873, 6714..6923, 6858..7154, 6864..7160, 6865..7155, 6869..7159, 7402..7446, 7408..7446, 7438..7662, 7439..7672, 7524..7676		

Seq. No.	15995	Seq. ID	OJ990727_10.9B05.C13
Gene No.	33807	Strand	-
Start	12760	End	16553
Name	OJ990727_10.9B05.C13.o1.tm	Method	TBLASTX:Maize
Start	6316	End	7127
GI	none	Score	100
Exons	6316..6399, 6333..6398, 6390..6443, 6390..6668, 6391..6720, 6391..6708, 6392..6730, 6395..6715, 6676..7125, 6696..7127, 6698..6796, 6714..7103		

Seq. No.	15995	Seq. ID	OJ990727_10.9B05.C13
Gene No.	33807	Strand	-
Start	12760	End	16553
Name	OJ990727_10.9B05.C13.o3.tw	Method	TBLASTX:Wheat
Start	6679	End	6988
GI	none	Score	55
Exons	6679..6708, 6680..6730, 6680..6715, 6696..6986, 6698..6796,		

6704..6988, 6714..6986, 6817..6987

Seq. No.	15995	Seq. ID	OJ990727_10.9B05.C13
Gene No.	33807	Strand	-
Start	12760	End	16553
Name	OJ990727_10.9B05.C13.o2.tc	Method	TBLASTX:Cress
Start	6728	End	7537
GI	none	Score	338
Exons	6728..6796, 6729..6965, 6729..6977, 6734..6973, 6987..7172, 6988..7155, 7216..7245, 7217..7246, 7220..7297, 7240..7296, 7247..7297, 7248..7298, 7405..7446, 7439..7537, 7445..7534		

Seq. No.	15995	Seq. ID	OJ990727_10.9B05.C13
Gene No.	33807	Strand	-
Start	12760	End	16553
Name	OJ990727_10.9B05.C13.o3.tm	Method	TBLASTX:Maize
Start	7309	End	7745
GI	none	Score	162
Exons	7309..7440, 7310..7447, 7406..7720, 7407..7469, 7408..7737, 7408..7704, 7445..7711, 7515..7742, 7524..7745		

Seq. No.	15995	Seq. ID	OJ990727_10.9B05.C13
Gene No.	33807	Strand	-
Start	12760	End	16553
Name	OJ990727_10.9B05.C13.o3.tc	Method	TBLASTX:Cress
Start	7795	End	8163
GI	none	Score	376
Exons	7795..8163, 7813..8163		

Seq. No.	15995	Seq. ID	OJ990727_10.9B05.C13
Gene No.	33807	Strand	-
Start	12760	End	16553
Name	OJ990727_10.9B05.C13.o6.ts	Method	TBLASTX:Soybean
Start	8197	End	8562
GI	none	Score	83
Exons	8197..8562, 8218..8403		

Seq. No.	15995	Seq. ID	OJ990727_10.9B05.C13
Gene No.	33807	Strand	-
Start	12760	End	16553
Name	OJ990727_10.9B05.C13.o1.tc	Method	TBLASTX:Cress
Start	8251	End	8918
GI	none	Score	283
Exons	8251..8478, 8288..8479, 8461..8886, 8480..8905, 8883..8918		

Seq. No.	15995	Seq. ID	OJ990727_10.9B05.C13
Gene No.	33807	Strand	-
Start	12760	End	16553
Name	OJ990727_10.9B05.C13.o2.tm	Method	TBLASTX:Maize
Start	8407	End	8942
GI	none	Score	823
Exons	8407..8937, 8408..8935, 8415..8942		

Seq. No.	15995	Seq. ID	OJ990727_10.9B05.C13
Gene No.	33807	Strand	-
Start	12760	End	16553
Name	OJ990727_10.9B05.C13.o2.ts	Method	TBLASTX:Soybean

Start	8627	End	8942
GI	none	Score	415
Exons	8627..8932, 8627..8923, 8629..8931, 8763..8942		

Seq. No.	15995	Seq. ID	OJ990727_10.9B05.C13
Gene No.	33807	Strand	-
Start	12760	End	16553
Name	OJ990727_10.9B05.C13.o3.ts	Method	TBLASTX:Soybean
Start	9411	End	9781
GI	none	Score	144
Exons	9411..9662, 9415..9660, 9559..9663, 9649..9774, 9654..9770, 9656..9781		

Seq. No.	15995	Seq. ID	OJ990727_10.9B05.C13
Gene No.	33807	Strand	-
Start	12760	End	16553
Name	OJ990727_10.9B05.C13.o1.tw	Method	TBLASTX:Wheat
Start	9472	End	9868
GI	none	Score	512
Exons	9472..9846, 9474..9845, 9478..9846, 9841..9867, 9842..9868		

Seq. No.	15995	Seq. ID	OJ990727_10.9B05.C13
Gene No.	33807	Strand	-
Start	12760	End	16553
Name	OJ990727_10.9B05.C13.o4.tm	Method	TBLASTX:Maize
Start	9700	End	9966
GI	none	Score	341
Exons	9700..9966, 9702..9965		

Seq. No.	15995	Seq. ID	OJ990727_10.9B05.C13
Gene No.	33807	Strand	-
Start	12760	End	16553
Name	OJ990727_10.9B05.C13.o4.ts	Method	TBLASTX:Soybean
Start	9921	End	10376
GI	none	Score	139
Exons	9921..10121, 9921..10130, 10060..10179, 10173..10376, 10183..10326		

Seq. No.	15995	Seq. ID	OJ990727_10.9B05.C13
Gene No.	33807	Strand	-
Start	12760	End	16553
Name	OJ990727_10.9B05.C13.o4.tc	Method	TBLASTX:Cress
Start	10094	End	10576
GI	none	Score	35
Exons	10094..10138, 10095..10250, 10245..10313, 10248..10313, 10255..10314, 10330..10560, 10335..10571, 10384..10575, 10397..10576, 10505..10576		

Seq. No.	15995	Seq. ID	OJ990727_10.9B05.C13
Gene No.	33807	Strand	-
Start	12760	End	16553
Name	OJ990727_10.9B05.C13.o2.tw	Method	TBLASTX:Wheat
Start	10134	End	10514
GI	none	Score	500
Exons	10134..10514, 10135..10512, 10137..10514		

Seq. No.	15995	Seq. ID	OJ990727_10.9B05.C13

Gene No.	33807	Strand	-
Start	12760	End	16553
Name	OJ990727_10.9B05.C13.o5.ts	Method	TBLASTX:Soybean
Start	10389	End	10936
GI	none	Score	113
Exons	10389..10586, 10402..10548, 10410..10565, 10593..10667, 10600..10653, 10619..10789, 10666..10791, 10666..10788, 10805..10936		

Seq. No.	15995	Seq. ID	OJ990727_10.9B05.C13
Gene No.	33807	Strand	-
Start	12760	End	16553
Name	OJ990727_10.9B05.C13.o6.tc	Method	TBLASTX:Cress
Start	10582	End	10936
GI	none	Score	44
Exons	10582..10647, 10593..10661, 10660..10788, 10668..10793, 10709..10786, 10821..10934, 10822..10935, 10823..10936		

Seq. No.	15995	Seq. ID	OJ990727_10.9B05.C13
Gene No.	33807	Strand	-
Start	12760	End	16553
Name	OJ990727_10.9B05.C13.o5.tc	Method	TBLASTX:Cress
Start	11124	End	11659
GI	none	Score	42
Exons	11124..11174, 11129..11176, 11136..11177, 11178..11219, 11178..11216, 11179..11223, 11189..11224, 11307..11399, 11316..11399, 11317..11403, 11323..11415, 11327..11440, 11422..11466, 11491..11532, 11492..11530, 11506..11532, 11519..11605, 11521..11610, 11521..11604, 11537..11608, 11541..11612, 11586..11657, 11588..11659, 11599..11658, 11603..11659		

Seq. No.	15995	Seq. ID	OJ990727_10.9B05.C13
Gene No.	33807	Strand	-
Start	12760	End	16553
Name	OJ990727_10.9B05.C13.o5.tm	Method	TBLASTX:Maize
Start	11375	End	11633
GI	none	Score	35
Exons	11375..11398, 11380..11403, 11387..11464, 11395..11466, 11455..11604, 11483..11608, 11486..11605, 11490..11612, 11599..11631, 11604..11633		

Seq. No.	15995	Seq. ID	OJ990727_10.9B05.C13
Gene No.	33807	Strand	-
Start	12760	End	16553
Name	OJ990727_10.9B05.C13.o3.gs	Method	GENSCAN
Start	12760	End	16553
GI	none	Score	.7
Exons	12760..13229, 14208..14330, 14464..14726, 16321..16553		

Seq. No.	15996	Seq. ID	OJ990727_10.9B05.C14
Gene No.	33808	Strand	+
Start	393	End	12416
Name	OJ990727_10.9B05.C14.o1.gs	Method	GENSCAN
Start	393	End	11061
GI	none	Score	.76
Exons	393..555, 4206..4305, 4796..4907, 4928..5021, 5905..6117,		

6805..7015, 7682..7772, 8125..8185, 9678..10540, 10613..10763, 10949..11061

Seq. No.	15996	Seq. ID	OJ990727_10.9B05.C14
Gene No.	33808	Strand	+
Start	393	End	12416
Name	OJ990727_10.9B05.C14.o1.np	Method	AAT/NAP
Start	5742	End	12416
GI	6523547	Score	353
Exons	5742..5953, 9704..10409, 10666..10743, 10775..10961, 12336..12416		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	15996	Seq. ID	OJ990727_10.9B05.C14
Gene No.	33809	Strand	+
Start	12687	End	12798
Name	OJ990727_10.9B05.C14.o1.gp	Method	AAT/GAP
Start	12687	End	12798
GI	uC-osflcyp088b12b1	Score	159
Exons	12687..12798		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	15996	Seq. ID	OJ990727_10.9B05.C14
Gene No.	33810	Strand	-
Start	12203	End	26600
Name	OJ990727_10.9B05.C14.o2.np	Method	AAT/NAP
Start	11951	End	26600
GI	4680183	Score	132
Exons	11951..12040, 26529..26600		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	15996	Seq. ID	OJ990727_10.9B05.C14
Gene No.	33810	Strand	-
Start	12203	End	26600
Name	OJ990727_10.9B05.C14.o2.gs	Method	GENSCAN
Start	12203	End	26378
GI	none	Score	.51
Exons	12203..12308, 12618..12682, 13065..13193, 13211..13316, 13435..13473, 14754..14841, 15051..15088, 15405..15500, 19127..19364, 20784..20869, 21414..21761, 22606..22929, 23088..23502, 24078..24197, 24862..25014, 26141..26378		

Seq. No.	15996	Seq. ID	OJ990727_10.9B05.C14
Gene No.	33810	Strand	-
Start	12203	End	26600
Name	OJ990727_10.9B05.C14.o3.np	Method	AAT/NAP
Start	21273	End	26600
GI	81286	Score	201
Exons	21273..21442, 21567..21699, 21779..22000, 23173..23454, 26572..26600		
GI Descrip.	extensin - Volvox carteri (fragment) gi\|21992\|emb\|CAA46283\| (X65165) extensin [Volvox carteri]		

Seq. No.	15997	Seq. ID	OJ990727_10.9B05.C15
Gene No.	33811	Strand	+

Start	1	End	1255
Name	OJ990727_10.9B05.C15.o1.np	Method	AAT/NAP
Start	1	End	1255
GI	5852939	Score	42
Exons	1..37, 1009..1070, 1154..1255		
GI Descrip.	(AF172097) telomerase reverse transcriptase catalytic subunit [Arabidopsis thaliana]		

Seq. No.	15998	Seq. ID	OJ990727_10.9B05.C16
Gene No.	33812	Strand	+
Start	1581	End	2088
Name	OJ990727_10.9B05.C16.o2.gs	Method	GENSCAN
Start	1581	End	2088
GI	none	Score	.63
Exons	1581..2030, 2059..2088		

Seq. No.	15998	Seq. ID	OJ990727_10.9B05.C16
Gene No.	33813	Strand	-
Start	147	End	733
Name	OJ990727_10.9B05.C16.o1.gs	Method	GENSCAN
Start	147	End	733
GI	none	Score	.56
Exons	147..419, 491..543, 715..733		

Seq. No.	15998	Seq. ID	OJ990727_10.9B05.C16
Gene No.	33814	Strand	-
Start	2919	End	3071
Name	OJ990727_10.9B05.C16.o3.gs	Method	GENSCAN
Start	2919	End	3071
GI	none	Score	.92
Exons	2919..3071		

Seq. No.	15999	Seq. ID	OJ990727_10.9B05.C17
Gene No.	33815	Strand	-
Start	1	End	698
Name	OJ990727_10.9B05.C17.o1.np	Method	AAT/NAP
Start	1	End	698
GI	4263831	Score	213
Exons	1..19, 98..698		
GI Descrip.	(AC006067) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	15999	Seq. ID	OJ990727_10.9B05.C17
Gene No.	33815	Strand	-
Start	1	End	698
Name	OJ990727_10.9B05.C17.o1.ts	Method	TBLASTX:Soybean
Start	160	End	628
GI	none	Score	92
Exons	160..306, 173..304, 348..563, 500..628		

Seq. No.	15999	Seq. ID	OJ990727_10.9B05.C17
Gene No.	33815	Strand	-
Start	1	End	698
Name	OJ990727_10.9B05.C17.o1.gs	Method	GENSCAN
Start	213	End	574
GI	none	Score	.66
Exons	213..375, 539..574		

Seq. No.	15999	Seq. ID	OJ990727_10.9B05.C17
Gene No.	33815	Strand	-
Start	1	End	698
Name	OJ990727_10.9B05.C17.o1.tm	Method	TBLASTX:Maize
Start	316	End	659
GI	none	Score	80
Exons	316..468, 318..563, 499..555, 500..649, 552..659		

Seq. No.	16000	Seq. ID	OJ990917_16.9B08.C3
Gene No.	33816	Strand	-
Start	1	End	292
Name	OJ990917_16.9B08.C3.o1.gp	Method	AAT/GAP
Start	1	End	292
GI	none	Score	338
Exons	1..109, 207..292		

Seq. No.	16000	Seq. ID	OJ990917_16.9B08.C3
Gene No.	33817	Strand	-
Start	638	End	1505
Name	OJ990917_16.9B08.C3.o1.gs	Method	GENSCAN
Start	638	End	1505
GI	none	Score	.8
Exons	638..783, 1027..1123, 1238..1505		

Seq. No.	16001	Seq. ID	OJ990917_16.9B08.C4
Gene No.	33818	Strand	-
Start	11	End	3678
Name	OJ990917_16.9B08.C4.o1.np	Method	AAT/NAP
Start	11	End	3678
GI	6815072	Score	503
Exons	11..793, 3571..3678		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		

Seq. No.	16001	Seq. ID	OJ990917_16.9B08.C4
Gene No.	33818	Strand	-
Start	11	End	3678
Name	OJ990917_16.9B08.C4.o1.ts	Method	TBLASTX:Soybean
Start	104	End	286
GI	none	Score	105
Exons	104..286, 126..284		

Seq. No.	16001	Seq. ID	OJ990917_16.9B08.C4
Gene No.	33818	Strand	-
Start	11	End	3678
Name	OJ990917_16.9B08.C4.o1.tm	Method	TBLASTX:Maize
Start	212	End	532
GI	none	Score	46
Exons	212..286, 215..283, 305..532, 306..530		

Seq. No.	16001	Seq. ID	OJ990917_16.9B08.C4
Gene No.	33818	Strand	-
Start	11	End	3678
Name	OJ990917_16.9B08.C4.o1.tc	Method	TBLASTX:Cress
Start	278	End	523
GI	none	Score	201

Exons	278..523		
Seq. No.	16001	Seq. ID	OJ990917_16.9B08.C4
Gene No.	33818	Strand	-
Start	11	End	3678
Name	OJ990917_16.9B08.C4.o2.np	Method	AAT/NAP
Start	1044	End	3678
GI	5295955	Score	371
Exons	1044..1580, 1620..1698, 1778..2029, 2065..2229, 2921..2964, 3571..3678		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		
Seq. No.	16001	Seq. ID	OJ990917_16.9B08.C4
Gene No.	33818	Strand	-
Start	11	End	3678
Name	OJ990917_16.9B08.C4.o3.np	Method	AAT/NAP
Start	2877	End	3678
GI	4680183	Score	200
Exons	2877..2966, 3571..3678		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	16002	Seq. ID	OJ990917_16.9B08.C5
Gene No.	33819	Strand	-
Start	1	End	863
Name	OJ990917_16.9B08.C5.o1.np	Method	AAT/NAP
Start	1	End	863
GI	6815072	Score	603
Exons	1..863		
GI Descrip.	(AP001080) Similar to Arabidopsis thaliana chromosome II BAC T13P21; hypothetical protein (AC006067) [Oryza sativa]		
Seq. No.	16002	Seq. ID	OJ990917_16.9B08.C5
Gene No.	33819	Strand	-
Start	1	End	863
Name	OJ990917_16.9B08.C5.o1.gs	Method	GENSCAN
Start	101	End	857
GI	none	Score	.75
Exons	101..857		
Seq. No.	16003	Seq. ID	OJ990917_16.9B08.C7
Gene No.	33820	Strand	+
Start	1	End	3006
Name	OJ990917_16.9B08.C7.o1.np	Method	AAT/NAP
Start	1	End	3006
GI	6539553	Score	3946
Exons	1..2725, 2950..3006		
GI Descrip.	(AP000836) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa] gi\|6539590\|dbj\|BAA88206.1\| (AP000837) Similar to Oryza australiensis retrotransposon RIRE1 (D85597) [Oryza sativa]		
Seq. No.	16003	Seq. ID	OJ990917_16.9B08.C7
Gene No.	33820	Strand	+
Start	1	End	3006
Name	OJ990917_16.9B08.C7.o1.tm	Method	TBLASTX:Maize
Start	357	End	679

GI	none	Score	307
Exons	357..677, 364..678, 384..677, 518..679		

Seq. No.	16003	Seq. ID	OJ990917_16.9B08.C7
Gene No.	33820	Strand	+
Start	1	End	3006
Name	OJ990917_16.9B08.C7.o4.ts	Method	TBLASTX:Soybean
Start	706	End	1092
GI	none	Score	88
Exons	706..861, 844..1092		

Seq. No.	16003	Seq. ID	OJ990917_16.9B08.C7
Gene No.	33820	Strand	+
Start	1	End	3006
Name	OJ990917_16.9B08.C7.o4.tm	Method	TBLASTX:Maize
Start	880	End	1273
GI	none	Score	138
Exons	880..1107, 1106..1273, 1123..1242		

Seq. No.	16003	Seq. ID	OJ990917_16.9B08.C7
Gene No.	33820	Strand	+
Start	1	End	3006
Name	OJ990917_16.9B08.C7.o3.tw	Method	TBLASTX:Wheat
Start	955	End	1150
GI	none	Score	67
Exons	955..1110, 957..1046, 957..1115, 958..1110, 1106..1150, 1108..1149		

Seq. No.	16003	Seq. ID	OJ990917_16.9B08.C7
Gene No.	33820	Strand	+
Start	1	End	3006
Name	OJ990917_16.9B08.C7.o1.ts	Method	TBLASTX:Soybean
Start	1106	End	1500
GI	none	Score	142
Exons	1106..1273, 1111..1269, 1118..1273, 1327..1500, 1335..1373		

Seq. No.	16003	Seq. ID	OJ990917_16.9B08.C7
Gene No.	33820	Strand	+
Start	1	End	3006
Name	OJ990917_16.9B08.C7.o1.tw	Method	TBLASTX:Wheat
Start	1151	End	1906
GI	none	Score	187
Exons	1151..1279, 1159..1275, 1160..1276, 1252..1599, 1258..1626, 1335..1637, 1657..1734, 1658..1735, 1666..1749, 1691..1735, 1740..1886, 1741..1887, 1744..1905, 1748..1906, 1748..1906		

Seq. No.	16003	Seq. ID	OJ990917_16.9B08.C7
Gene No.	33820	Strand	+
Start	1	End	3006
Name	OJ990917_16.9B08.C7.o3.ts	Method	TBLASTX:Soybean
Start	1826	End	2128
GI	5509260	Score	224
Exons	1826..2128		
GI Descrip.	-		

Seq. No.	16003	Seq. ID	OJ990917_16.9B08.C7
Gene No.	33820	Strand	+

Start	1	End	3006
Name	OJ990917_16.9B08.C7.o3.tm	Method	TBLASTX:Maize
Start	1831	End	2128
GI	none	Score	232
Exons	1831..1995, 1832..2128		

Seq. No.	16003	Seq. ID	OJ990917_16.9B08.C7
Gene No.	33820	Strand	+
Start	1	End	3006
Name	OJ990917_16.9B08.C7.o1.tc	Method	TBLASTX:Cress
Start	1919	End	2125
GI	none	Score	225
Exons	1919..2125, 1921..1998		

Seq. No.	16003	Seq. ID	OJ990917_16.9B08.C7
Gene No.	33820	Strand	+
Start	1	End	3006
Name	OJ990917_16.9B08.C7.o2.tm	Method	TBLASTX:Maize
Start	2146	End	2485
GI	none	Score	299
Exons	2146..2196, 2147..2485, 2147..2452, 2290..2484		

Seq. No.	16003	Seq. ID	OJ990917_16.9B08.C7
Gene No.	33820	Strand	+
Start	1	End	3006
Name	OJ990917_16.9B08.C7.o2.ts	Method	TBLASTX:Soybean
Start	2330	End	2704
GI	none	Score	114
Exons	2330..2461, 2330..2461, 2479..2610, 2480..2704		

Seq. No.	16003	Seq. ID	OJ990917_16.9B08.C7
Gene No.	33820	Strand	+
Start	1	End	3006
Name	OJ990917_16.9B08.C7.o2.tw	Method	TBLASTX:Wheat
Start	2341	End	2734
GI	none	Score	109
Exons	2341..2412, 2342..2416, 2342..2422, 2418..2732, 2423..2734, 2431..2724, 2432..2725, 2436..2732		

Seq. No.	16004	Seq. ID	OJ990917_16.9B08.C8
Gene No.	33821	Strand	+
Start	669	End	6824
Name	OJ990917_16.9B08.C8.o1.gs	Method	GENSCAN
Start	669	End	3095
GI	none	Score	.59
Exons	669..3095		

Seq. No.	16004	Seq. ID	OJ990917_16.9B08.C8
Gene No.	33821	Strand	+
Start	669	End	6824
Name	OJ990917_16.9B08.C8.o1.np	Method	AAT/NAP
Start	1175	End	6821
GI	6498441	Score	6840
Exons	1175..2238, 2569..3032, 3096..3469, 3653..3787, 3962..4200, 4393..4877, 5049..6446, 6540..6821		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type		

retrotransposon RetroSor1. (AF098806) [Oryza sativa]

Seq. No.	16004	Seq. ID	OJ990917_16.9B08.C8
Gene No.	33821	Strand	+
Start	669	End	6824
Name	OJ990917_16.9B08.C8.o2.gs	Method	GENSCAN
Start	3159	End	6824
GI	none	Score	.97
Exons	3159..6824		

Seq. No.	16004	Seq. ID	OJ990917_16.9B08.C8
Gene No.	33822	Strand	+
Start	13065	End	15704
Name	OJ990917_16.9B08.C8.o4.np	Method	AAT/NAP
Start	13065	End	15704
GI	4539658	Score	48
Exons	13065..13149, 15665..15704		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	16004	Seq. ID	OJ990917_16.9B08.C8
Gene No.	33823	Strand	-
Start	7442	End	12346
Name	OJ990917_16.9B08.C8.o3.gs	Method	GENSCAN
Start	7442	End	10669
GI	none	Score	.97
Exons	7442..10669		

Seq. No.	16004	Seq. ID	OJ990917_16.9B08.C8
Gene No.	33823	Strand	-
Start	7442	End	12346
Name	OJ990917_16.9B08.C8.o2.np	Method	AAT/NAP
Start	7445	End	10669
GI	6907089	Score	4148
Exons	7445..9314, 9408..10669		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	16004	Seq. ID	OJ990917_16.9B08.C8
Gene No.	33823	Strand	-
Start	7442	End	12346
Name	OJ990917_16.9B08.C8.o3.np	Method	AAT/NAP
Start	9909	End	12346
GI	5922623	Score	412
Exons	9909..9939, 11512..11587, 11755..11902, 12266..12346		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016856\|dbj\|BAA85199.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	16004	Seq. ID	OJ990917_16.9B08.C8
Gene No.	33824	Strand	-
Start	12670	End	12789
Name	OJ990917_16.9B08.C8.o6.tw	Method	TBLASTX:Wheat
Start	1323	End	1715
GI	none	Score	58
Exons	1323..1370, 1377..1475, 1394..1474, 1442..1603, 1458..1715		

Seq. No.	16004	Seq. ID	OJ990917_16.9B08.C8

Gene No.	33824	Strand	-
Start	12670	End	12789
Name	OJ990917_16.9B08.C8.o5.tm	Method	TBLASTX:Maize
Start	1328	End	1613
GI	none	Score	193
Exons	1328..1612, 1365..1613		

Seq. No.	16004	Seq. ID	OJ990917_16.9B08.C8
Gene No.	33824	Strand	-
Start	12670	End	12789
Name	OJ990917_16.9B08.C8.o3.tw	Method	TBLASTX:Wheat
Start	2453	End	2936
GI	none	Score	414
Exons	2453..2626, 2454..2936, 2648..2908		

Seq. No.	16004	Seq. ID	OJ990917_16.9B08.C8
Gene No.	33824	Strand	-
Start	12670	End	12789
Name	OJ990917_16.9B08.C8.o1.tw	Method	TBLASTX:Wheat
Start	3104	End	3566
GI	none	Score	584
Exons	3104..3565, 3105..3566		

Seq. No.	16004	Seq. ID	OJ990917_16.9B08.C8
Gene No.	33824	Strand	-
Start	12670	End	12789
Name	OJ990917_16.9B08.C8.o3.ts	Method	TBLASTX:Soybean
Start	3144	End	3509
GI	none	Score	117
Exons	3144..3368, 3375..3509		

Seq. No.	16004	Seq. ID	OJ990917_16.9B08.C8
Gene No.	33824	Strand	-
Start	12670	End	12789
Name	OJ990917_16.9B08.C8.o1.tm	Method	TBLASTX:Maize
Start	3234	End	3590
GI	none	Score	388
Exons	3234..3590, 3269..3580, 3285..3590		

Seq. No.	16004	Seq. ID	OJ990917_16.9B08.C8
Gene No.	33824	Strand	-
Start	12670	End	12789
Name	OJ990917_16.9B08.C8.o3.tm	Method	TBLASTX:Maize
Start	3617	End	4001
GI	none	Score	355
Exons	3617..3982, 3618..4001		

Seq. No.	16004	Seq. ID	OJ990917_16.9B08.C8
Gene No.	33824	Strand	-
Start	12670	End	12789
Name	OJ990917_16.9B08.C8.o2.tw	Method	TBLASTX:Wheat
Start	3674	End	4099
GI	none	Score	482
Exons	3674..4099, 3675..4094		

Seq. No.	16004	Seq. ID	OJ990917_16.9B08.C8
Gene No.	33824	Strand	-

Start	12670	End	12789
Name	OJ990917_16.9B08.C8.o1.ts	Method	TBLASTX:Soybean
Start	3753	End	4124
GI	none	Score	279
Exons	3753..4124, 3770..3928		

Seq. No.	16004	Seq. ID	OJ990917_16.9B08.C8
Gene No.	33824	Strand	-
Start	12670	End	12789
Name	OJ990917_16.9B08.C8.o5.tw	Method	TBLASTX:Wheat
Start	4725	End	5183
GI	none	Score	234
Exons	4725..4973, 4749..4973, 4814..4987, 5043..5183, 5043..5180, 5045..5182		

Seq. No.	16004	Seq. ID	OJ990917_16.9B08.C8
Gene No.	33824	Strand	-
Start	12670	End	12789
Name	OJ990917_16.9B08.C8.o2.ts	Method	TBLASTX:Soybean
Start	4872	End	5438
GI	5666795	Score	68
Exons	4872..4970, 5046..5183, 5238..5438		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	16004	Seq. ID	OJ990917_16.9B08.C8
Gene No.	33824	Strand	-
Start	12670	End	12789
Name	OJ990917_16.9B08.C8.o8.tw	Method	TBLASTX:Wheat
Start	5186	End	5498
GI	none	Score	192
Exons	5186..5362, 5199..5387, 5238..5498		

Seq. No.	16004	Seq. ID	OJ990917_16.9B08.C8
Gene No.	33824	Strand	-
Start	12670	End	12789
Name	OJ990917_16.9B08.C8.o2.tm	Method	TBLASTX:Maize
Start	5691	End	6014
GI	none	Score	362
Exons	5691..6014, 5708..6001		

Seq. No.	16004	Seq. ID	OJ990917_16.9B08.C8
Gene No.	33824	Strand	-
Start	12670	End	12789
Name	OJ990917_16.9B08.C8.o4.tw	Method	TBLASTX:Wheat
Start	5828	End	6209
GI	none	Score	376
Exons	5828..5884, 5829..6209, 5930..6178		

Seq. No.	16004	Seq. ID	OJ990917_16.9B08.C8
Gene No.	33824	Strand	-
Start	12670	End	12789
Name	OJ990917_16.9B08.C8.o7.tw	Method	TBLASTX:Wheat
Start	6210	End	6812
GI	none	Score	265
Exons	6210..6494, 6211..6501, 6215..6493, 6686..6808, 6687..6812		

Seq. No.	16004	Seq. ID	OJ990917_16.9B08.C8

Gene No.	33824	Strand	-
Start	12670	End	12789
Name	OJ990917_16.9B08.C8.o4.tm	Method	TBLASTX:Maize
Start	6681	End	6862
GI	none	Score	196
Exons	6681..6848, 6686..6862		

Seq. No.	16004	Seq. ID	OJ990917_16.9B08.C8
Gene No.	33824	Strand	-
Start	12670	End	12789
Name	OJ990917_16.9B08.C8.o1.gp	Method	AAT/GAP
Start	12670	End	12789
GI	LIB3475-004-P1-K2-A5	Score	188
Exons	12670..12789		
GI Descrip.	'5777612/emb\|AJ245900.1\|OSA245900 1.0e-94 Oryza sativa chromosome 4 BAC q3037-207F1 complete genome'		

Seq. No.	16005	Seq. ID	OJ990917_16.9B08.C10
Gene No.	33825	Strand	+
Start	6	End	687
Name	OJ990917_16.9B08.C10.o1.gs	Method	GENSCAN
Start	6	End	687
GI	none	Score	.79
Exons	6..62, 208..687		

Seq. No.	16006	Seq. ID	OJ990917_16.9B08.C11
Gene No.	33826	Strand	+
Start	431	End	518
Name	OJ990917_16.9B08.C11.o1.np	Method	AAT/NAP
Start	431	End	518
GI	5852180	Score	74
Exons	431..518		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	16006	Seq. ID	OJ990917_16.9B08.C11
Gene No.	33827	Strand	-
Start	528	End	704
Name	OJ990917_16.9B08.C11.o2.np	Method	AAT/NAP
Start	528	End	704
GI	6063554	Score	127
Exons	528..704		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	16007	Seq. ID	OJ990917_16.9B08.C13
Gene No.	33828	Strand	+
Start	1	End	6124
Name	OJ990917_16.9B08.C13.o1.np	Method	AAT/NAP
Start	1	End	4523
GI	3033379	Score	381
Exons	1..48, 1714..1871, 4232..4523		
GI Descrip.	(AC004238) putative WRKY-type DNA binding protein [Arabidopsis thaliana]		

Seq. No.	16007	Seq. ID	OJ990917_16.9B08.C13
Gene No.	33828	Strand	+

Start	1	End	6124
Name	OJ990917_16.9B08.C13.o1.gs	Method	GENSCAN
Start	541	End	6124
GI	none	Score	.45
Exons	541..1052, 1728..1871, 4232..4703, 6029..6124		

Seq. No.	16007	Seq. ID	OJ990917_16.9B08.C13
Gene No.	33828	Strand	+
Start	1	End	6124
Name	OJ990917_16.9B08.C13.o1.tc	Method	TBLASTX:Cress
Start	1725	End	4387
GI	none	Score	44
Exons	1725..1760, 1726..1761, 1728..1868, 1768..1872, 1801..1872, 4231..4257, 4253..4387, 4257..4376		

Seq. No.	16008	Seq. ID	OJ990917_16.9B08.C14
Gene No.	33829	Strand	+
Start	51	End	284
Name	OJ990917_16.9B08.C14.o1.gs	Method	GENSCAN
Start	51	End	284
GI	none	Score	.99
Exons	51..284		

Seq. No.	16009	Seq. ID	OJ990917_16.9B08.C15
Gene No.	33830	Strand	+
Start	2603	End	3032
Name	OJ990917_16.9B08.C15.o1.tm	Method	TBLASTX:Maize
Start	2588	End	2785
GI	none	Score	199
Exons	2588..2785, 2602..2784		

Seq. No.	16009	Seq. ID	OJ990917_16.9B08.C15
Gene No.	33830	Strand	+
Start	2603	End	3032
Name	OJ990917_16.9B08.C15.o1.np	Method	AAT/NAP
Start	2591	End	2764
GI	5091604	Score	137
Exons	2591..2764		
GI Descrip.	(AC007858) 10A19I.8 [Oryza sativa]		

Seq. No.	16009	Seq. ID	OJ990917_16.9B08.C15
Gene No.	33830	Strand	+
Start	2603	End	3032
Name	OJ990917_16.9B08.C15.o2.gs	Method	GENSCAN
Start	2603	End	3032
GI	none	Score	.87
Exons	2603..2844, 3011..3032		

Seq. No.	16010	Seq. ID	OJ990917_16.9B08.C16
Gene No.	33831	Strand	+
Start	1754	End	2883
Name	OJ990917_16.9B08.C16.o1.gp	Method	AAT/GAP
Start	1754	End	2246
GI	27137_1.R1084	Score	904
Exons	1754..2246		
GI Descrip.	'629561/pir\|\|S44261 2.0e-13 SRG1 protein - Arabidopsis thaliana >gi_479047_emb_CAA55654_ (X79052) SRG1 [Arabidopsis thaliana]		

>gi_5734767_gb_AAD50032.1_AC007651_27 (AC007651) SRG1 Protein [Arabidopsis thaliana]'

Seq. No.	16010	Seq. ID	OJ990917_16.9B08.C16
Gene No.	33831	Strand	+
Start	1754	End	2883
Name	OJ990917_16.9B08.C16.o1.gs	Method	GENSCAN
Start	1795	End	2883
GI	none	Score	1
Exons	1795..2883		

Seq. No.	16010	Seq. ID	OJ990917_16.9B08.C16
Gene No.	33831	Strand	+
Start	1754	End	2883
Name	OJ990917_16.9B08.C16.o1.np	Method	AAT/NAP
Start	1808	End	2868
GI	4454019	Score	645
Exons	1808..2868		
GI Descrip.	(AL035396) SRG1-like protein [Arabidopsis thaliana]		

Seq. No.	16010	Seq. ID	OJ990917_16.9B08.C16
Gene No.	33832	Strand	+
Start	4197	End	7541
Name	OJ990917_16.9B08.C16.o2.np	Method	AAT/NAP
Start	4197	End	7538
GI	2244996	Score	895
Exons	4197..4240, 5869..7538		
GI Descrip.	(Z97341) salt-inducible protein homolog [Arabidopsis thaliana]		

Seq. No.	16010	Seq. ID	OJ990917_16.9B08.C16
Gene No.	33832	Strand	+
Start	4197	End	7541
Name	OJ990917_16.9B08.C16.o2.gs	Method	GENSCAN
Start	5439	End	7541
GI	none	Score	.88
Exons	5439..7541		

Seq. No.	16010	Seq. ID	OJ990917_16.9B08.C16
Gene No.	33832	Strand	+
Start	4197	End	7541
Name	OJ990917_16.9B08.C16.o3.gp	Method	AAT/GAP
Start	6107	End	6617
GI	uC-osflcyp124f05b1	Score	983
Exons	6107..6617		
GI Descrip.	'2244996/emb\|CAB10416.1\| 4.0e-37 (Z97341) salt-inducible protein homolog [Arabidopsis thaliana]'		

Seq. No.	16010	Seq. ID	OJ990917_16.9B08.C16
Gene No.	33833	Strand	+
Start	8155	End	11604
Name	OJ990917_16.9B08.C16.o3.gs	Method	GENSCAN
Start	8155	End	11604
GI	none	Score	.73
Exons	8155..8375, 8602..8715, 9471..9550, 9673..9797, 9909..9946, 11463..11604		

Seq. No.	16010	Seq. ID	OJ990917_16.9B08.C16

Gene No.	33833	Strand	+
Start	8155	End	11604
Name	OJ990917_16.9B08.C16.o4.gp	Method	AAT/GAP
Start	8195	End	10139
GI	17190_1.R1084	Score	1360
Exons	8195..8375, 8602..8715, 9471..9550, 9673..9797, 9909..10139		
GI Descrip.	'5103835/gb\|AAD39665.1\|AC007591_30 4.0e-56 (AC007591) ESTs gb_T22508, gb_H36196 and gb_AI100134 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	16010	Seq. ID	OJ990917_16.9B08.C16
Gene No.	33833	Strand	+
Start	8155	End	11604
Name	OJ990917_16.9B08.C16.o3.np	Method	AAT/NAP
Start	8323	End	9977
GI	5103835	Score	539
Exons	8323..8375, 8602..8715, 9471..9550, 9673..9797, 9909..9977		
GI Descrip.	(AC007591) ESTs gb\|T22508, gb\|H36196 and gb\|AI100134 come from this gene. [Arabidopsis thaliana]		

Seq. No.	16010	Seq. ID	OJ990917_16.9B08.C16
Gene No.	33834	Strand	-
Start	2700	End	3192
Name	OJ990917_16.9B08.C16.o3.tm	Method	TBLASTX:Maize
Start	1834	End	2610
GI	none	Score	39
Exons	1834..1866, 1963..1995, 2002..2295, 2040..2279, 2281..2382, 2422..2454, 2422..2454, 2441..2512, 2443..2535, 2469..2534, 2479..2535, 2518..2610, 2539..2598		

Seq. No.	16010	Seq. ID	OJ990917_16.9B08.C16
Gene No.	33834	Strand	-
Start	2700	End	3192
Name	OJ990917_16.9B08.C16.o3.tc	Method	TBLASTX:Cress
Start	2005	End	2280
GI	none	Score	272
Exons	2005..2280, 2037..2249		

Seq. No.	16010	Seq. ID	OJ990917_16.9B08.C16
Gene No.	33834	Strand	-
Start	2700	End	3192
Name	OJ990917_16.9B08.C16.o1.ts	Method	TBLASTX:Soybean
Start	2026	End	2823
GI	none	Score	207
Exons	2026..2277, 2037..2252, 2296..2391, 2428..2457, 2464..2703, 2469..2726, 2470..2823		

Seq. No.	16010	Seq. ID	OJ990917_16.9B08.C16
Gene No.	33834	Strand	-
Start	2700	End	3192
Name	OJ990917_16.9B08.C16.o1.tc	Method	TBLASTX:Cress
Start	2362	End	2763
GI	none	Score	69
Exons	2362..2469, 2455..2763, 2469..2747		

Seq. No.	16010	Seq. ID	OJ990917_16.9B08.C16
Gene No.	33834	Strand	-

Start	2700	End	3192
Name	OJ990917_16.9B08.C16.o2.gp	Method	AAT/GAP
Start	2700	End	3192
GI	none	Score	954
Exons	2700..3192		

Seq. No.	16010	Seq. ID	OJ990917_16.9B08.C16
Gene No.	33835	Strand	
Start	5966	End	6260
Name	OJ990917_16.9B08.C16.o5.tm	Method	TBLASTX:Maize
Start	5966	End	6260
GI	none	Score	143
Exons	5966..6130, 5967..6137, 6150..6260		

Seq. No.	16010	Seq. ID	OJ990917_16.9B08.C16
Gene No.	33836	Strand	
Start	6237	End	7061
Name	OJ990917_16.9B08.C16.o4.ts	Method	TBLASTX:Soybean
Start	6237	End	6383
GI	none	Score	187
Exons	6237..6383, 6251..6382		

Seq. No.	16010	Seq. ID	OJ990917_16.9B08.C16
Gene No.	33836	Strand	
Start	6237	End	7061
Name	OJ990917_16.9B08.C16.o1.tm	Method	TBLASTX:Maize
Start	6261	End	7061
GI	none	Score	117
Exons	6261..6509, 6366..6620, 6513..7061, 6515..7057		

Seq. No.	16010	Seq. ID	OJ990917_16.9B08.C16
Gene No.	33836	Strand	
Start	6237	End	7061
Name	OJ990917_16.9B08.C16.o3.ts	Method	TBLASTX:Soybean
Start	6384	End	6953
GI	none	Score	106
Exons	6384..6614, 6710..6943, 6711..6953		

Seq. No.	16010	Seq. ID	OJ990917_16.9B08.C16
Gene No.	33837	Strand	
Start	7061	End	7498
Name	OJ990917_16.9B08.C16.o2.tm	Method	TBLASTX:Maize
Start	7061	End	7498
GI	none	Score	373
Exons	7061..7318, 7068..7319, 7326..7496, 7326..7496, 7334..7498, 7354..7497		

Seq. No.	16010	Seq. ID	OJ990917_16.9B08.C16
Gene No.	33838	Strand	
Start	8307	End	9983
Name	OJ990917_16.9B08.C16.o1.tw	Method	TBLASTX:Wheat
Start	8307	End	9767
GI	none	Score	75
Exons	8307..8378, 8320..8379, 8323..8376, 8582..8716, 8599..8718, 8599..8709, 9468..9548, 9468..9527, 9469..9549, 9470..9550, 9610..9669, 9656..9766, 9668..9766, 9678..9767		

Seq. No.	16010	Seq. ID	OJ990917_16.9B08.C16
Gene No.	33838	Strand	
Start	8307	End	9983
Name	OJ990917_16.9B08.C16.o4.tm	Method	TBLASTX:Maize
Start	8316	End	9983
GI	none	Score	64
Exons	8316..8378, 8317..8379, 8323..8373, 8424..8459, 8551..8709, 8582..8716, 8592..8717, 8602..8733, 9468..9548, 9468..9527, 9469..9549, 9470..9550, 9656..9796, 9667..9807, 9672..9797, 9897..9983, 9908..9982		

Seq. No.	16010	Seq. ID	OJ990917_16.9B08.C16
Gene No.	33838	Strand	
Start	8307	End	9983
Name	OJ990917_16.9B08.C16.o2.ts	Method	TBLASTX:Soybean
Start	8317	End	9982
GI	none	Score	80
Exons	8317..8379, 8582..8716, 8602..8709, 9469..9549, 9481..9546, 9656..9790, 9672..9797, 9675..9806, 9897..9974, 9905..9982		

Seq. No.	16010	Seq. ID	OJ990917_16.9B08.C16
Gene No.	33838	Strand	
Start	8307	End	9983
Name	OJ990917_16.9B08.C16.o4.tc	Method	TBLASTX:Cress
Start	8323	End	8716
GI	none	Score	75
Exons	8323..8379, 8581..8709, 8582..8716		

Seq. No.	16010	Seq. ID	OJ990917_16.9B08.C16
Gene No.	33838	Strand	
Start	8307	End	9983
Name	OJ990917_16.9B08.C16.o2.tc	Method	TBLASTX:Cress
Start	9488	End	9983
GI	none	Score	61
Exons	9488..9550, 9511..9549, 9656..9796, 9672..9794, 9897..9983, 9908..9973		

Seq. No.	16011	Seq. ID	OJ990917_16.9B08.C17
Gene No.	33839	Strand	
Start	2087	End	2658
Name	OJ990917_16.9B08.C17.o1.ts	Method	TBLASTX:Soybean
Start	2087	End	2658
GI	none	Score	120
Exons	2087..2218, 2088..2126, 2234..2416, 2234..2389, 2236..2415, 2506..2658, 2519..2638		

Seq. No.	16012	Seq. ID	OJ990917_16.9B08.C18
Gene No.	33840	Strand	+
Start	1060	End	7320
Name	OJ990917_16.9B08.C18.o1.gs	Method	GENSCAN
Start	1060	End	7320
GI	none	Score	.61
Exons	1060..1210, 2005..2029, 3626..3697, 3793..3885, 4250..4400, 4558..4934, 5100..5224, 5292..5606, 5882..6435, 6559..6704, 6803..7320		

Seq. No.	16012	Seq. ID	OJ990917_16.9B08.C18

Gene No.	33840	Strand	+
Start	1060	End	7320
Name	OJ990917_16.9B08.C18.o1.np	Method	AAT/NAP
Start	1765	End	5087
GI	6721512	Score	73
Exons	1765..1792, 3355..3467, 5062..5087		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	16012	Seq. ID	OJ990917_16.9B08.C18
Gene No.	33840	Strand	+
Start	1060	End	7320
Name	OJ990917_16.9B08.C18.o2.np	Method	AAT/NAP
Start	4301	End	5935
GI	6721558	Score	269
Exons	4301..4400, 5100..5224, 5736..5935		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi\|6815083\|dbj\|BAA90369.1\| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	16012	Seq. ID	OJ990917_16.9B08.C18
Gene No.	33840	Strand	+
Start	1060	End	7320
Name	OJ990917_16.9B08.C18.o3.np	Method	AAT/NAP
Start	4825	End	6436
GI	6721561	Score	1080
Exons	4825..4860, 5258..5477, 5548..5606, 5674..6436		
GI Descrip.	(AP001073) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa] gi\|6815086\|dbj\|BAA90372.1\| (AP001081) EST AU082058(C12976) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	16012	Seq. ID	OJ990917_16.9B08.C18
Gene No.	33841	Strand	+
Start	12605	End	15927
Name	OJ990917_16.9B08.C18.o6.np	Method	AAT/NAP
Start	12605	End	15927
GI	6721512	Score	79
Exons	12605..12625, 14188..14311, 14633..14672, 15901..15927		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	16012	Seq. ID	OJ990917_16.9B08.C18
Gene No.	33842	Strand	+
Start	20372	End	24074
Name	OJ990917_16.9B08.C18.o3.gs	Method	GENSCAN
Start	20372	End	24074
GI	none	Score	.46
Exons	20372..20518, 23135..23153, 23240..23407, 23550..23725, 23766..24074		

Seq. No.	16012	Seq. ID	OJ990917_16.9B08.C18
Gene No.	33843	Strand	+
Start	26003	End	26419
Name	OJ990917_16.9B08.C18.o4.gs	Method	GENSCAN
Start	26003	End	26419
GI	none	Score	.59
Exons	26003..26419		

Seq. No.	16012	Seq. ID	OJ990917_16.9B08.C18
Gene No.	33844	Strand	-
Start	7938	End	15566
Name	OJ990917_16.9B08.C18.o2.gs	Method	GENSCAN
Start	7938	End	15079
GI	none	Score	.64
Exons	7938..8351, 8382..8692, 8797..9576, 9634..10019, 10218..11017, 11186..12685, 12730..13277, 13466..14248, 14597..14758, 15055..15079		

Seq. No.	16012	Seq. ID	OJ990917_16.9B08.C18
Gene No.	33844	Strand	-
Start	7938	End	15566
Name	OJ990917_16.9B08.C18.o4.np	Method	AAT/NAP
Start	7941	End	11008
GI	5902445	Score	2986
Exons	7941..9133, 9173..11008		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	16012	Seq. ID	OJ990917_16.9B08.C18
Gene No.	33844	Strand	-
Start	7938	End	15566
Name	OJ990917_16.9B08.C18.o5.np	Method	AAT/NAP
Start	11075	End	15566
GI	5902444	Score	1056
Exons	11075..12737, 13074..13308, 15472..15566		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	16012	Seq. ID	OJ990917_16.9B08.C18
Gene No.	33844	Strand	-
Start	7938	End	15566
Name	OJ990917_16.9B08.C18.o1.gp	Method	AAT/GAP
Start	15342	End	15430
GI	LIB3477-003-P1-K1-E9	Score	131
Exons	15342..15430		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	16012	Seq. ID	OJ990917_16.9B08.C18
Gene No.	33845	Strand	-
Start	20422	End	20476
Name	OJ990917_16.9B08.C18.o1.tw	Method	TBLASTX:Wheat
Start	4605	End	11063
GI	none	Score	345
Exons	4605..4700, 10607..11062, 10608..11063		

Seq. No.	16012	Seq. ID	OJ990917_16.9B08.C18
Gene No.	33845	Strand	-
Start	20422	End	20476
Name	OJ990917_16.9B08.C18.o3.tw	Method	TBLASTX:Wheat
Start	7950	End	8558
GI	none	Score	60
Exons	7950..8081, 7951..8076, 8106..8558, 8302..8376, 8448..8543		

Seq. No.	16012	Seq. ID	OJ990917_16.9B08.C18

Gene No.	33845	Strand	-
Start	20422	End	20476
Name	OJ990917_16.9B08.C18.o4.tm	Method	TBLASTX:Maize
Start	8073	End	8336
GI	none	Score	187
Exons	8073..8336		

Seq. No.	16012	Seq. ID	OJ990917_16.9B08.C18
Gene No.	33845	Strand	-
Start	20422	End	20476
Name	OJ990917_16.9B08.C18.o5.tw	Method	TBLASTX:Wheat
Start	8696	End	9013
GI	none	Score	156
Exons	8696..9013, 8715..9005		

Seq. No.	16012	Seq. ID	OJ990917_16.9B08.C18
Gene No.	33845	Strand	-
Start	20422	End	20476
Name	OJ990917_16.9B08.C18.o2.tm	Method	TBLASTX:Maize
Start	8708	End	9016
GI	none	Score	162
Exons	8708..9016, 8721..8996		

Seq. No.	16012	Seq. ID	OJ990917_16.9B08.C18
Gene No.	33845	Strand	-
Start	20422	End	20476
Name	OJ990917_16.9B08.C18.o8.tw	Method	TBLASTX:Wheat
Start	9218	End	9475
GI	none	Score	181
Exons	9218..9475		

Seq. No.	16012	Seq. ID	OJ990917_16.9B08.C18
Gene No.	33845	Strand	-
Start	20422	End	20476
Name	OJ990917_16.9B08.C18.o6.tw	Method	TBLASTX:Wheat
Start	9515	End	9923
GI	none	Score	36
Exons	9515..9688, 9518..9580, 9696..9923, 9698..9922		

Seq. No.	16012	Seq. ID	OJ990917_16.9B08.C18
Gene No.	33845	Strand	-
Start	20422	End	20476
Name	OJ990917_16.9B08.C18.o1.ts	Method	TBLASTX:Soybean
Start	10013	End	10414
GI	none	Score	88
Exons	10013..10414, 10254..10412		

Seq. No.	16012	Seq. ID	OJ990917_16.9B08.C18
Gene No.	33845	Strand	-
Start	20422	End	20476
Name	OJ990917_16.9B08.C18.o2.tw	Method	TBLASTX:Wheat
Start	10068	End	10492
GI	none	Score	298
Exons	10068..10487, 10070..10492		

Seq. No.	16012	Seq. ID	OJ990917_16.9B08.C18
Gene No.	33845	Strand	-

Start	20422	End	20476
Name	OJ990917_16.9B08.C18.o3.tm	Method	TBLASTX:Maize
Start	10166	End	10549
GI	none	Score	183
Exons	10166..10549, 10167..10514		

Seq. No.	16012	Seq. ID	OJ990917_16.9B08.C18
Gene No.	33845	Strand	-
Start	20422	End	20476
Name	OJ990917_16.9B08.C18.o1.tm	Method	TBLASTX:Maize
Start	10577	End	10933
GI	none	Score	208
Exons	10577..10933, 10605..10871, 10631..10879		

Seq. No.	16012	Seq. ID	OJ990917_16.9B08.C18
Gene No.	33845	Strand	-
Start	20422	End	20476
Name	OJ990917_16.9B08.C18.o2.ts	Method	TBLASTX:Soybean
Start	10658	End	11023
GI	none	Score	100
Exons	10658..10792, 10799..11023		

Seq. No.	16012	Seq. ID	OJ990917_16.9B08.C18
Gene No.	33845	Strand	-
Start	20422	End	20476
Name	OJ990917_16.9B08.C18.o4.tw	Method	TBLASTX:Wheat
Start	11255	End	11710
GI	none	Score	40
Exons	11255..11491, 11265..11330, 11373..11489, 11528..11710, 11601..11702		

Seq. No.	16012	Seq. ID	OJ990917_16.9B08.C18
Gene No.	33845	Strand	-
Start	20422	End	20476
Name	OJ990917_16.9B08.C18.o7.tw	Method	TBLASTX:Wheat
Start	12293	End	12691
GI	none	Score	72
Exons	12293..12691, 12384..12566, 12639..12677		

Seq. No.	16012	Seq. ID	OJ990917_16.9B08.C18
Gene No.	33845	Strand	-
Start	20422	End	20476
Name	OJ990917_16.9B08.C18.o5.tm	Method	TBLASTX:Maize
Start	12455	End	12694
GI	none	Score	186
Exons	12455..12694		

Seq. No.	16012	Seq. ID	OJ990917_16.9B08.C18
Gene No.	33845	Strand	-
Start	20422	End	20476
Name	OJ990917_16.9B08.C18.o2.gp	Method	AAT/GAP
Start	20422	End	20476
GI	none	Score	70
Exons	20422..20476		

Seq. No.	16013	Seq. ID	OJ990917_16.9B08.C19
Gene No.	33846	Strand	+

Start	1077	End	5627
Name	OJ990917_16.9B08.C19.o1.tm	Method	TBLASTX:Maize
Start	1074	End	5399
GI	none	Score	66
Exons	1074..1175, 1138..1239, 1218..1334, 1219..1341, 1435..1542, 1435..1470, 1437..1565, 1530..1829, 1540..1848, 5309..5395, 5313..5396, 5331..5399, 5345..5398		

Seq. No.	16013	Seq. ID	OJ990917_16.9B08.C19
Gene No.	33846	Strand	+
Start	1077	End	5627
Name	OJ990917_16.9B08.C19.o1.gp	Method	AAT/GAP
Start	1077	End	1604
GI	29047_1.R1084	Score	780
Exons	1077..1341, 1438..1604		
GI Descrip.	'2764574/emb\|CAA04468\| 3.0e-22 (AJ001009) pore protein of 24 kD (OEP24) [Pisum sativum]'		

Seq. No.	16013	Seq. ID	OJ990917_16.9B08.C19
Gene No.	33846	Strand	+
Start	1077	End	5627
Name	OJ990917_16.9B08.C19.o1.ts	Method	TBLASTX:Soybean
Start	1129	End	1749
GI	none	Score	51
Exons	1129..1176, 1134..1175, 1219..1323, 1233..1322, 1435..1509, 1546..1650, 1633..1749		

Seq. No.	16013	Seq. ID	OJ990917_16.9B08.C19
Gene No.	33846	Strand	+
Start	1077	End	5627
Name	OJ990917_16.9B08.C19.o1.np	Method	AAT/NAP
Start	1138	End	1896
GI	2764574	Score	384
Exons	1138..1341, 1438..1896		
GI Descrip.	(AJ001009) pore protein of 24 kD (OEP24) [Pisum sativum]		

Seq. No.	16013	Seq. ID	OJ990917_16.9B08.C19
Gene No.	33846	Strand	+
Start	1077	End	5627
Name	OJ990917_16.9B08.C19.o2.gp	Method	AAT/GAP
Start	1681	End	5627
GI	40498_1.R1084	Score	848
Exons	1681..1827, 5319..5627		
GI Descrip.	'2764574/emb\|CAA04468\| 1.0e-15 (AJ001009) pore protein of 24 kD (OEP24) [Pisum sativum]'		

Seq. No.	16014	Seq. ID	OJ990917_16.9B08.C20
Gene No.	33847	Strand	+
Start	306	End	2264
Name	OJ990917_16.9B08.C20.o1.np	Method	AAT/NAP
Start	306	End	2174
GI	113172	Score	288
Exons	306..455, 1427..1549, 2049..2174		
GI Descrip.	ACYL CARRIER PROTEIN III PRECURSOR (ACP III) gi\|100561\|pir\|\|S17928 acyl carrier protein 3 - barley gi\|166971 (M58754) acyl carrier protein III [Hordeum vulgare]		

Seq. No.	16014	Seq. ID	OJ990917_16.9B08.C20
Gene No.	33847	Strand	+
Start	306	End	2264
Name	OJ990917_16.9B08.C20.o1.gs	Method	GENSCAN
Start	386	End	2177
GI	none	Score	.93
Exons	386..455, 1427..1549, 2049..2177		

Seq. No.	16014	Seq. ID	OJ990917_16.9B08.C20
Gene No.	33847	Strand	+
Start	306	End	2264
Name	OJ990917_16.9B08.C20.o1.gp	Method	AAT/GAP
Start	1426	End	2264
GI	LIB3433-050-P1-K1-A8	Score	606
Exons	1426..1549, 2049..2264		
GI Descrip.	'113172/sp\|P15543\|ACP3_HORVU 1.0e-30 ACYL CARRIER PROTEIN III PRECURSOR (ACP III) >gi_100561_pir__S17928 acyl carrier protein 3 - barley >gi_166971 (M58754) acyl carrier protein III [Hordeum vulgare]'		

Seq. No.	16015	Seq. ID	OJ990917_16.9B08.C21
Gene No.	33848	Strand	-
Start	23	End	624
Name	OJ990917_16.9B08.C21.o1.gs	Method	GENSCAN
Start	23	End	575
GI	none	Score	.92
Exons	23..153, 292..575		

Seq. No.	16015	Seq. ID	OJ990917_16.9B08.C21
Gene No.	33848	Strand	-
Start	23	End	624
Name	OJ990917_16.9B08.C21.o1.tw	Method	TBLASTX:Wheat
Start	109	End	586
GI	none	Score	206
Exons	109..174, 290..343, 291..578, 292..579, 292..585, 365..586, 414..497		

Seq. No.	16015	Seq. ID	OJ990917_16.9B08.C21
Gene No.	33848	Strand	-
Start	23	End	624
Name	OJ990917_16.9B08.C21.o1.tm	Method	TBLASTX:Maize
Start	289	End	624
GI	none	Score	187
Exons	289..528, 290..529, 292..528, 536..622, 550..624, 565..624		

Seq. No.	16016	Seq. ID	OJ990917_10.9B08.C1
Gene No.	33849	Strand	-
Start	82	End	1237
Name	OJ990917_10.9B08.C1.o1.gs	Method	GENSCAN
Start	82	End	1237
GI	none	Score	.72
Exons	82..471, 563..630, 704..813, 1014..1237		

Seq. No.	16017	Seq. ID	OJ990917_10.9B08.C2
Gene No.	33850	Strand	-
Start	590	End	807
Name	OJ990917_10.9B08.C2.o1.gs	Method	GENSCAN

Start	590	End	807
GI	none	Score	.99
Exons	590..682, 760..807		

Seq. No.	16018	Seq. ID	OJ990917_10.9B08.C3
Gene No.	33851	Strand	-
Start	6	End	1160
Name	OJ990917_10.9B08.C3.o1.np	Method	AAT/NAP
Start	6	End	1160
GI	806299	Score	528
Exons	6..206, 282..596, 688..1160		
GI Descrip.	(M25427) unknown protein [Zea mays]		

Seq. No.	16018	Seq. ID	OJ990917_10.9B08.C3
Gene No.	33851	Strand	-
Start	6	End	1160
Name	OJ990917_10.9B08.C3.o1.gs	Method	GENSCAN
Start	71	End	882
GI	none	Score	.51
Exons	71..206, 282..485, 688..882		

Seq. No.	16018	Seq. ID	OJ990917_10.9B08.C3
Gene No.	33851	Strand	-
Start	6	End	1160
Name	OJ990917_10.9B08.C3.o1.tw	Method	TBLASTX:Wheat
Start	503	End	1025
GI	none	Score	62
Exons	503..598, 687..1025, 688..828, 922..996		

Seq. No.	16018	Seq. ID	OJ990917_10.9B08.C3
Gene No.	33851	Strand	-
Start	6	End	1160
Name	OJ990917_10.9B08.C3.o1.tm	Method	TBLASTX:Maize
Start	663	End	1130
GI	none	Score	118
Exons	663..1130, 679..816, 874..957		

Seq. No.	16018	Seq. ID	OJ990917_10.9B08.C3
Gene No.	33851	Strand	-
Start	6	End	1160
Name	OJ990917_10.9B08.C3.o1.ts	Method	TBLASTX:Soybean
Start	693	End	1091
GI	none	Score	117
Exons	693..938, 697..831, 725..946, 927..992, 927..1091		

Seq. No.	16019	Seq. ID	OJ990917_10.9B08.C4
Gene No.	33852	Strand	+
Start	5580	End	6227
Name	OJ990917_10.9B08.C4.o2.gs	Method	GENSCAN
Start	5580	End	6227
GI	none	Score	.53
Exons	5580..5688, 5836..6016, 6053..6227		

Seq. No.	16019	Seq. ID	OJ990917_10.9B08.C4
Gene No.	33853	Strand	+
Start	6553	End	6936
Name	OJ990917_10.9B08.C4.o3.gs	Method	GENSCAN

Start	6553	End	6936
GI	none	Score	.44
Exons	6553..6691, 6902..6936		

Seq. No.	16019	Seq. ID	OJ990917_10.9B08.C4
Gene No.	33854	Strand	+
Start	21402	End	25503
Name	OJ990917_10.9B08.C4.o7.gs	Method	GENSCAN
Start	21402	End	25503
GI	none	Score	.68
Exons	21402..21418, 21430..21824, 21839..21997, 22054..22129, 24892..25097, 25127..25503		

Seq. No.	16019	Seq. ID	OJ990917_10.9B08.C4
Gene No.	33855	Strand	-
Start	1	End	1406
Name	OJ990917_10.9B08.C4.o1.np	Method	AAT/NAP
Start	1	End	1406
GI	6069576	Score	818
Exons	1..1406		
GI Descrip.	(AB022082) transposon-like ORF [Brassica rapa]		

Seq. No.	16019	Seq. ID	OJ990917_10.9B08.C4
Gene No.	33856	Strand	-
Start	14788	End	20267
Name	OJ990917_10.9B08.C4.o5.gs	Method	GENSCAN
Start	14788	End	19218
GI	none	Score	.99
Exons	14788..19006, 19106..19218		

Seq. No.	16019	Seq. ID	OJ990917_10.9B08.C4
Gene No.	33856	Strand	-
Start	14788	End	20267
Name	OJ990917_10.9B08.C4.o2.np	Method	AAT/NAP
Start	14791	End	19831
GI	4680179	Score	5625
Exons	14791..19154, 19715..19831		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	16019	Seq. ID	OJ990917_10.9B08.C4
Gene No.	33856	Strand	-
Start	14788	End	20267
Name	OJ990917_10.9B08.C4.o6.gs	Method	GENSCAN
Start	19503	End	20204
GI	none	Score	.99
Exons	19503..20204		

Seq. No.	16019	Seq. ID	OJ990917_10.9B08.C4
Gene No.	33856	Strand	-
Start	14788	End	20267
Name	OJ990917_10.9B08.C4.o3.np	Method	AAT/NAP
Start	19506	End	20267
GI	4512229	Score	1196
Exons	19506..20267		
GI Descrip.	(AB014740) ORF0 protein [Oryza sativa]		

Seq. No.	16019	Seq. ID	OJ990917_10.9B08.C4

Gene No.	33857	Strand	-
Start	21288	End	23157
Name	OJ990917_10.9B08.C4.o5.tm	Method	TBLASTX:Maize
Start	54	End	483
GI	none	Score	101
Exons	54..482, 105..317, 118..483		

Seq. No.	16019	Seq. ID	OJ990917_10.9B08.C4
Gene No.	33857	Strand	-
Start	21288	End	23157
Name	OJ990917_10.9B08.C4.o1.tc	Method	TBLASTX:Cress
Start	324	End	650
GI	none	Score	72
Exons	324..551, 558..650		

Seq. No.	16019	Seq. ID	OJ990917_10.9B08.C4
Gene No.	33857	Strand	-
Start	21288	End	23157
Name	OJ990917_10.9B08.C4.o9.tw	Method	TBLASTX:Wheat
Start	420	End	935
GI	none	Score	136
Exons	420..536, 558..659, 666..935		

Seq. No.	16019	Seq. ID	OJ990917_10.9B08.C4
Gene No.	33857	Strand	-
Start	21288	End	23157
Name	OJ990917_10.9B08.C4.o5.tw	Method	TBLASTX:Wheat
Start	14839	End	15169
GI	none	Score	54
Exons	14839..15168, 15029..15076, 15052..15165, 15095..15169		

Seq. No.	16019	Seq. ID	OJ990917_10.9B08.C4
Gene No.	33857	Strand	-
Start	21288	End	23157
Name	OJ990917_10.9B08.C4.o1.tm	Method	TBLASTX:Maize
Start	15031	End	15615
GI	none	Score	162
Exons	15031..15456, 15155..15457, 15452..15607, 15454..15615, 15461..15607, 15463..15609		

Seq. No.	16019	Seq. ID	OJ990917_10.9B08.C4
Gene No.	33857	Strand	-
Start	21288	End	23157
Name	OJ990917_10.9B08.C4.o1.tw	Method	TBLASTX:Wheat
Start	15169	End	15795
GI	none	Score	51
Exons	15169..15795, 15170..15238, 15175..15420, 15189..15596, 15281..15793		

Seq. No.	16019	Seq. ID	OJ990917_10.9B08.C4
Gene No.	33857	Strand	-
Start	21288	End	23157
Name	OJ990917_10.9B08.C4.o3.tm	Method	TBLASTX:Maize
Start	15664	End	15955
GI	none	Score	277
Exons	15664..15954, 15668..15955		

Seq. No.	16019	Seq. ID	OJ990917_10.9B08.C4
Gene No.	33857	Strand	-
Start	21288	End	23157
Name	OJ990917_10.9B08.C4.o2.ts	Method	TBLASTX:Soybean
Start	15754	End	16014
GI	none	Score	178
Exons	15754..16014, 15755..16012		

Seq. No.	16019	Seq. ID	OJ990917_10.9B08.C4
Gene No.	33857	Strand	-
Start	21288	End	23157
Name	OJ990917_10.9B08.C4.o2.tw	Method	TBLASTX:Wheat
Start	15802	End	16338
GI	none	Score	341
Exons	15802..16338, 15803..16336		

Seq. No.	16019	Seq. ID	OJ990917_10.9B08.C4
Gene No.	33857	Strand	-
Start	21288	End	23157
Name	OJ990917_10.9B08.C4.o2.tm	Method	TBLASTX:Maize
Start	16369	End	16722
GI	none	Score	49
Exons	16369..16722, 16376..16408, 16384..16716, 16454..16717		

Seq. No.	16019	Seq. ID	OJ990917_10.9B08.C4
Gene No.	33857	Strand	-
Start	21288	End	23157
Name	OJ990917_10.9B08.C4.o3.tw	Method	TBLASTX:Wheat
Start	16411	End	16825
GI	none	Score	259
Exons	16411..16824, 16426..16800, 16454..16825		

Seq. No.	16019	Seq. ID	OJ990917_10.9B08.C4
Gene No.	33857	Strand	-
Start	21288	End	23157
Name	OJ990917_10.9B08.C4.o3.ts	Method	TBLASTX:Soybean
Start	16540	End	16788
GI	none	Score	211
Exons	16540..16788		

Seq. No.	16019	Seq. ID	OJ990917_10.9B08.C4
Gene No.	33857	Strand	-
Start	21288	End	23157
Name	OJ990917_10.9B08.C4.o6.tm	Method	TBLASTX:Maize
Start	16724	End	17061
GI	none	Score	152
Exons	16724..17008, 16729..17061		

Seq. No.	16019	Seq. ID	OJ990917_10.9B08.C4
Gene No.	33857	Strand	-
Start	21288	End	23157
Name	OJ990917_10.9B08.C4.o1.ts	Method	TBLASTX:Soybean
Start	16810	End	17205
GI	none	Score	167
Exons	16810..17061, 16820..17050, 16867..17064, 17024..17167, 17025..17168, 17089..17169, 17116..17169, 17173..17205, 17173..17205		

Seq. No.	16019	Seq. ID	OJ990917_10.9B08.C4
Gene No.	33857	Strand	-
Start	21288	End	23157
Name	OJ990917_10.9B08.C4.o7.tw	Method	TBLASTX:Wheat
Start	16828	End	17066
GI	none	Score	233
Exons	16828..17058, 16838..17050, 16854..17066		

Seq. No.	16019	Seq. ID	OJ990917_10.9B08.C4
Gene No.	33857	Strand	-
Start	21288	End	23157
Name	OJ990917_10.9B08.C4.o4.tm	Method	TBLASTX:Maize
Start	17116	End	17563
GI	none	Score	123
Exons	17116..17559, 17125..17487, 17381..17563		

Seq. No.	16019	Seq. ID	OJ990917_10.9B08.C4
Gene No.	33857	Strand	-
Start	21288	End	23157
Name	OJ990917_10.9B08.C4.o4.tw	Method	TBLASTX:Wheat
Start	17146	End	17632
GI	none	Score	213
Exons	17146..17628, 17188..17517, 17339..17632		

Seq. No.	16019	Seq. ID	OJ990917_10.9B08.C4
Gene No.	33857	Strand	-
Start	21288	End	23157
Name	OJ990917_10.9B08.C4.o4.ts	Method	TBLASTX:Soybean
Start	17278	End	17592
GI	none	Score	196
Exons	17278..17592		

Seq. No.	16019	Seq. ID	OJ990917_10.9B08.C4
Gene No.	33857	Strand	-
Start	21288	End	23157
Name	OJ990917_10.9B08.C4.o8.tw	Method	TBLASTX:Wheat
Start	17767	End	18114
GI	none	Score	60
Exons	17767..18114, 17804..17938		

Seq. No.	16019	Seq. ID	OJ990917_10.9B08.C4
Gene No.	33857	Strand	-
Start	21288	End	23157
Name	OJ990917_10.9B08.C4.o6.tw	Method	TBLASTX:Wheat
Start	18469	End	18814
GI	none	Score	55
Exons	18469..18813, 18618..18710, 18683..18814		

Seq. No.	16019	Seq. ID	OJ990917_10.9B08.C4
Gene No.	33857	Strand	-
Start	21288	End	23157
Name	OJ990917_10.9B08.C4.o7.tm	Method	TBLASTX:Maize
Start	18514	End	18813
GI	none	Score	43
Exons	18514..18813, 18518..18595, 18683..18787		

Seq. No.	16019	Seq. ID	OJ990917_10.9B08.C4
Gene No.	33857	Strand	-
Start	21288	End	23157
Name	OJ990917_10.9B08.C4.o10.tw	Method	TBLASTX:Wheat
Start	18865	End	19047
GI	none	Score	127
Exons	18865..19047, 18866..19045		

Seq. No.	16019	Seq. ID	OJ990917_10.9B08.C4
Gene No.	33857	Strand	-
Start	21288	End	23157
Name	OJ990917_10.9B08.C4.o4.np	Method	AAT/NAP
Start	21288	End	23157
GI	5917664	Score	104
Exons	21288..21902, 22048..22190, 22955..23157		
GI Descrip.	(AF159296) extensin-like protein [Lycopersicon esculentum]		

Seq. No.	16020	Seq. ID	OJ990917_10.9B08.C5
Gene No.	33858	Strand	-
Start	4387	End	5863
Name	OJ990917_10.9B08.C5.o1.gs	Method	GENSCAN
Start	4387	End	5863
GI	none	Score	.96
Exons	4387..4953, 5124..5308, 5830..5863		

Seq. No.	16020	Seq. ID	OJ990917_10.9B08.C5
Gene No.	33859	Strand	-
Start	16925	End	20605
Name	OJ990917_10.9B08.C5.o1.np	Method	AAT/NAP
Start	16925	End	20592
GI	4234852	Score	4109
Exons	16925..20592		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	16020	Seq. ID	OJ990917_10.9B08.C5
Gene No.	33859	Strand	-
Start	16925	End	20605
Name	OJ990917_10.9B08.C5.o5.tm	Method	TBLASTX:Maize
Start	16964	End	17422
GI	none	Score	55
Exons	16964..17155, 17204..17380, 17363..17422		

Seq. No.	16020	Seq. ID	OJ990917_10.9B08.C5
Gene No.	33859	Strand	-
Start	16925	End	20605
Name	OJ990917_10.9B08.C5.o3.tw	Method	TBLASTX:Wheat
Start	16976	End	17375
GI	none	Score	103
Exons	16976..17371, 17142..17375		

Seq. No.	16020	Seq. ID	OJ990917_10.9B08.C5
Gene No.	33859	Strand	-
Start	16925	End	20605
Name	OJ990917_10.9B08.C5.o4.ts	Method	TBLASTX:Soybean
Start	16979	End	17545
GI	none	Score	125
Exons	16979..17170, 17159..17350, 17363..17545		

Seq. No.	16020	Seq. ID	OJ990917_10.9B08.C5
Gene No.	33859	Strand	-
Start	16925	End	20605
Name	OJ990917_10.9B08.C5.o1.tm	Method	TBLASTX:Maize
Start	17435	End	17866
GI	none	Score	112
Exons	17435..17731, 17436..17591, 17705..17866		

Seq. No.	16020	Seq. ID	OJ990917_10.9B08.C5
Gene No.	33859	Strand	-
Start	16925	End	20605
Name	OJ990917_10.9B08.C5.o1.tw	Method	TBLASTX:Wheat
Start	17531	End	18311
GI	none	Score	155
Exons	17531..17980, 17535..17981, 17957..18310, 17964..18311, 17966..18310		

Seq. No.	16020	Seq. ID	OJ990917_10.9B08.C5
Gene No.	33859	Strand	-
Start	16925	End	20605
Name	OJ990917_10.9B08.C5.o3.tm	Method	TBLASTX:Maize
Start	17867	End	18310
GI	none	Score	139
Exons	17867..17968, 18002..18310, 18003..18293		

Seq. No.	16020	Seq. ID	OJ990917_10.9B08.C5
Gene No.	33859	Strand	-
Start	16925	End	20605
Name	OJ990917_10.9B08.C5.o1.ts	Method	TBLASTX:Soybean
Start	18002	End	18439
GI	5509260	Score	44
Exons	18002..18439, 18003..18035, 18078..18350		
GI Descrip.	-		

Seq. No.	16020	Seq. ID	OJ990917_10.9B08.C5
Gene No.	33859	Strand	-
Start	16925	End	20605
Name	OJ990917_10.9B08.C5.o1.tc	Method	TBLASTX:Cress
Start	18092	End	18352
GI	none	Score	116
Exons	18092..18352, 18114..18350		

Seq. No.	16020	Seq. ID	OJ990917_10.9B08.C5
Gene No.	33859	Strand	-
Start	16925	End	20605
Name	OJ990917_10.9B08.C5.o3.ts	Method	TBLASTX:Soybean
Start	18950	End	19336
GI	none	Score	81
Exons	18950..19123, 19127..19336, 19155..19334		

Seq. No.	16020	Seq. ID	OJ990917_10.9B08.C5
Gene No.	33859	Strand	-
Start	16925	End	20605
Name	OJ990917_10.9B08.C5.o2.tw	Method	TBLASTX:Wheat
Start	18953	End	19615
GI	none	Score	104

Exons	18953..19021, 19043..19336, 19062..19313, 19376..19615, 19377..19430		
Seq. No.	16020	Seq. ID	OJ990917_10.9B08.C5
Gene No.	33859	Strand	-
Start	16925	End	20605
Name	OJ990917_10.9B08.C5.o2.tc	Method	TBLASTX:Cress
Start	18956	End	19336
GI	none	Score	123
Exons	18956..19123, 19136..19336		
Seq. No.	16020	Seq. ID	OJ990917_10.9B08.C5
Gene No.	33859	Strand	-
Start	16925	End	20605
Name	OJ990917_10.9B08.C5.o4.tm	Method	TBLASTX:Maize
Start	19142	End	19600
GI	none	Score	80
Exons	19142..19327, 19164..19325, 19376..19600		
Seq. No.	16020	Seq. ID	OJ990917_10.9B08.C5
Gene No.	33859	Strand	-
Start	16925	End	20605
Name	OJ990917_10.9B08.C5.o2.ts	Method	TBLASTX:Soybean
Start	19391	End	19777
GI	none	Score	122
Exons	19391..19777, 19560..19766		
Seq. No.	16020	Seq. ID	OJ990917_10.9B08.C5
Gene No.	33859	Strand	-
Start	16925	End	20605
Name	OJ990917_10.9B08.C5.o4.tw	Method	TBLASTX:Wheat
Start	19634	End	20071
GI	none	Score	135
Exons	19634..19804, 19799..20071		
Seq. No.	16020	Seq. ID	OJ990917_10.9B08.C5
Gene No.	33859	Strand	-
Start	16925	End	20605
Name	OJ990917_10.9B08.C5.o2.tm	Method	TBLASTX:Maize
Start	19991	End	20605
GI	none	Score	50
Exons	19991..20056, 20097..20147, 20252..20383, 20271..20312, 20393..20605, 20424..20594		
Seq. No.	16021	Seq. ID	OJ990917_10.9B08.C6
Gene No.	33860	Strand	+
Start	22929	End	23539
Name	OJ990917_10.9B08.C6.o2.gp	Method	AAT/GAP
Start	22929	End	23539
GI	none	Score	973
Exons	22929..23539		
Seq. No.	16021	Seq. ID	OJ990917_10.9B08.C6
Gene No.	33861	Strand	-
Start	125	End	13779
Name	OJ990917_10.9B08.C6.o1.gs	Method	GENSCAN
Start	125	End	6799

GI	none	Score	.57
Exons	125..527, 624..1999, 2048..2674, 2756..4645, 4816..4901, 4952..5705, 6728..6799		

Seq. No.	16021	Seq. ID	OJ990917_10.9B08.C6
Gene No.	33861	Strand	-
Start	125	End	13779
Name	OJ990917_10.9B08.C6.o1.np	Method	AAT/NAP
Start	128	End	4645
GI	4680179	Score	5375
Exons	128..3523, 3557..4645		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	16021	Seq. ID	OJ990917_10.9B08.C6
Gene No.	33861	Strand	-
Start	125	End	13779
Name	OJ990917_10.9B08.C6.o1.gp	Method	AAT/GAP
Start	6596	End	6977
GI	uC-osflcyp033a04b1	Score	683
Exons	6596..6977		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	16021	Seq. ID	OJ990917_10.9B08.C6
Gene No.	33861	Strand	-
Start	125	End	13779
Name	OJ990917_10.9B08.C6.o2.np	Method	AAT/NAP
Start	6717	End	9543
GI	4234846	Score	204
Exons	6717..6738, 9056..9340, 9383..9543		
GI Descrip.	(AF082130) gag-pol polyprotein [Zea mays]		

Seq. No.	16021	Seq. ID	OJ990917_10.9B08.C6
Gene No.	33861	Strand	-
Start	125	End	13779
Name	OJ990917_10.9B08.C6.o2.gs	Method	GENSCAN
Start	7410	End	13779
GI	none	Score	.47
Exons	7410..7495, 7823..7924, 7957..8083, 8088..8217, 9128..9551, 10763..11022, 13667..13779		

Seq. No.	16021	Seq. ID	OJ990917_10.9B08.C6
Gene No.	33862	Strand	-
Start	24453	End	24916
Name	OJ990917_10.9B08.C6.o3.gp	Method	AAT/GAP
Start	24453	End	24916
GI	uC-osflcyp154c02a1	Score	924
Exons	24453..24916		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 2.0e-10 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	16021	Seq. ID	OJ990917_10.9B08.C6
Gene No.	33863	Strand	-
Start	30810	End	31425
Name	OJ990917_10.9B08.C6.o6.gs	Method	GENSCAN
Start	30810	End	31425
GI	none	Score	.87

Exons	30810..30959, 31357..31425		
Seq. No.	16021	Seq. ID	OJ990917_10.9B08.C6
Gene No.	33864	Strand	-
Start	35170	End	35375
Name	OJ990917_10.9B08.C6.o7.tw	Method	TBLASTX:Wheat
Start	173	End	506
GI	none	Score	132
Exons	173..505, 194..502, 237..506		
Seq. No.	16021	Seq. ID	OJ990917_10.9B08.C6
Gene No.	33864	Strand	-
Start	35170	End	35375
Name	OJ990917_10.9B08.C6.o2.tm	Method	TBLASTX:Maize
Start	353	End	952
GI	none	Score	197
Exons	353..793, 369..794, 791..952, 798..944		
Seq. No.	16021	Seq. ID	OJ990917_10.9B08.C6
Gene No.	33864	Strand	-
Start	35170	End	35375
Name	OJ990917_10.9B08.C6.o1.tw	Method	TBLASTX:Wheat
Start	506	End	1132
GI	none	Score	54
Exons	506..1132, 509..631, 618..1076		
Seq. No.	16021	Seq. ID	OJ990917_10.9B08.C6
Gene No.	33864	Strand	-
Start	35170	End	35375
Name	OJ990917_10.9B08.C6.o5.tm	Method	TBLASTX:Maize
Start	1001	End	1292
GI	none	Score	212
Exons	1001..1291, 1005..1292		
Seq. No.	16021	Seq. ID	OJ990917_10.9B08.C6
Gene No.	33864	Strand	-
Start	35170	End	35375
Name	OJ990917_10.9B08.C6.o2.ts	Method	TBLASTX:Soybean
Start	1090	End	1351
GI	none	Score	150
Exons	1090..1272, 1091..1351, 1092..1346		
Seq. No.	16021	Seq. ID	OJ990917_10.9B08.C6
Gene No.	33864	Strand	-
Start	35170	End	35375
Name	OJ990917_10.9B08.C6.o1.tc	Method	TBLASTX:Cress
Start	1115	End	1432
GI	none	Score	85
Exons	1115..1258, 1116..1256, 1259..1432		
Seq. No.	16021	Seq. ID	OJ990917_10.9B08.C6
Gene No.	33864	Strand	-
Start	35170	End	35375
Name	OJ990917_10.9B08.C6.o2.tw	Method	TBLASTX:Wheat
Start	1139	End	1709
GI	none	Score	347
Exons	1139..1675, 1140..1709		

Seq. No.	16021	Seq. ID	OJ990917_10.9B08.C6
Gene No.	33864	Strand	-
Start	35170	End	35375
Name	OJ990917_10.9B08.C6.o3.tm	Method	TBLASTX:Maize
Start	1697	End	2060
GI	none	Score	172
Exons	1697..2059, 1709..2059, 1710..2060		

Seq. No.	16021	Seq. ID	OJ990917_10.9B08.C6
Gene No.	33864	Strand	-
Start	35170	End	35375
Name	OJ990917_10.9B08.C6.o3.tw	Method	TBLASTX:Wheat
Start	1709	End	2131
GI	none	Score	362
Exons	1709..2131, 1710..2099		

Seq. No.	16021	Seq. ID	OJ990917_10.9B08.C6
Gene No.	33864	Strand	-
Start	35170	End	35375
Name	OJ990917_10.9B08.C6.o4.ts	Method	TBLASTX:Soybean
Start	1880	End	2125
GI	none	Score	97
Exons	1880..2125, 1881..2123		

Seq. No.	16021	Seq. ID	OJ990917_10.9B08.C6
Gene No.	33864	Strand	-
Start	35170	End	35375
Name	OJ990917_10.9B08.C6.o4.tm	Method	TBLASTX:Maize
Start	2096	End	2596
GI	none	Score	50
Exons	2096..2410, 2139..2189, 2217..2270, 2417..2596, 2469..2588		

Seq. No.	16021	Seq. ID	OJ990917_10.9B08.C6
Gene No.	33864	Strand	-
Start	35170	End	35375
Name	OJ990917_10.9B08.C6.o5.tw	Method	TBLASTX:Wheat
Start	2132	End	2434
GI	none	Score	263
Exons	2132..2434, 2148..2432		

Seq. No.	16021	Seq. ID	OJ990917_10.9B08.C6
Gene No.	33864	Strand	-
Start	35170	End	35375
Name	OJ990917_10.9B08.C6.o1.ts	Method	TBLASTX:Soybean
Start	2147	End	2542
GI	none	Score	202
Exons	2147..2506, 2148..2438, 2469..2504, 2510..2542, 2511..2540		

Seq. No.	16021	Seq. ID	OJ990917_10.9B08.C6
Gene No.	33864	Strand	-
Start	35170	End	35375
Name	OJ990917_10.9B08.C6.o4.tw	Method	TBLASTX:Wheat
Start	2483	End	2969
GI	none	Score	293
Exons	2483..2860, 2526..2969, 2918..2965		

Seq. No.	16021	Seq. ID	OJ990917_10.9B08.C6
Gene No.	33864	Strand	-
Start	35170	End	35375
Name	OJ990917_10.9B08.C6.o8.tm	Method	TBLASTX:Maize
Start	2664	End	2954
GI	none	Score	215
Exons	2664..2954, 2666..2953		

Seq. No.	16021	Seq. ID	OJ990917_10.9B08.C6
Gene No.	33864	Strand	-
Start	35170	End	35375
Name	OJ990917_10.9B08.C6.o12.tw	Method	TBLASTX:Wheat
Start	3065	End	3502
GI	none	Score	69
Exons	3065..3106, 3134..3247, 3135..3248, 3293..3502, 3294..3446		

Seq. No.	16021	Seq. ID	OJ990917_10.9B08.C6
Gene No.	33864	Strand	-
Start	35170	End	35375
Name	OJ990917_10.9B08.C6.o11.tm	Method	TBLASTX:Maize
Start	3185	End	3538
GI	none	Score	190
Exons	3185..3538		

Seq. No.	16021	Seq. ID	OJ990917_10.9B08.C6
Gene No.	33864	Strand	-
Start	35170	End	35375
Name	OJ990917_10.9B08.C6.o8.tw	Method	TBLASTX:Wheat
Start	3821	End	4172
GI	none	Score	112
Exons	3821..4171, 3978..4172		

Seq. No.	16021	Seq. ID	OJ990917_10.9B08.C6
Gene No.	33864	Strand	-
Start	35170	End	35375
Name	OJ990917_10.9B08.C6.o10.tm	Method	TBLASTX:Maize
Start	3866	End	4171
GI	none	Score	90
Exons	3866..4171, 4041..4157		

Seq. No.	16021	Seq. ID	OJ990917_10.9B08.C6
Gene No.	33864	Strand	-
Start	35170	End	35375
Name	OJ990917_10.9B08.C6.o14.tw	Method	TBLASTX:Wheat
Start	4206	End	4465
GI	none	Score	117
Exons	4206..4403, 4208..4405, 4418..4465		

Seq. No.	16021	Seq. ID	OJ990917_10.9B08.C6
Gene No.	33864	Strand	-
Start	35170	End	35375
Name	OJ990917_10.9B08.C6.o6.tm	Method	TBLASTX:Maize
Start	9050	End	9451
GI	none	Score	207
Exons	9050..9253, 9052..9450, 9056..9451		

Seq. No.	16021	Seq. ID	OJ990917_10.9B08.C6

Gene No.	33864	Strand	-
Start	35170	End	35375
Name	OJ990917_10.9B08.C6.o10.tw	Method	TBLASTX:Wheat
Start	27062	End	27410
GI	none	Score	108
Exons	27062..27187, 27063..27188, 27189..27410, 27203..27406		

Seq. No.	16021	Seq. ID	OJ990917_10.9B08.C6
Gene No.	33864	Strand	-
Start	35170	End	35375
Name	OJ990917_10.9B08.C6.o9.tm	Method	TBLASTX:Maize
Start	27477	End	28184
GI	none	Score	219
Exons	27477..27965, 27936..28118, 28086..28184		

Seq. No.	16021	Seq. ID	OJ990917_10.9B08.C6
Gene No.	33864	Strand	-
Start	35170	End	35375
Name	OJ990917_10.9B08.C6.o6.tw	Method	TBLASTX:Wheat
Start	27641	End	28046
GI	none	Score	360
Exons	27641..28036, 27642..28046		

Seq. No.	16021	Seq. ID	OJ990917_10.9B08.C6
Gene No.	33864	Strand	-
Start	35170	End	35375
Name	OJ990917_10.9B08.C6.o1.tm	Method	TBLASTX:Maize
Start	28243	End	29191
GI	none	Score	699
Exons	28243..28446, 28250..29191, 28253..28603, 28480..28665, 28711..28857, 28713..28859, 28829..29065, 28918..29091		

Seq. No.	16021	Seq. ID	OJ990917_10.9B08.C6
Gene No.	33864	Strand	-
Start	35170	End	35375
Name	OJ990917_10.9B08.C6.o9.tw	Method	TBLASTX:Wheat
Start	28277	End	28591
GI	none	Score	291
Exons	28277..28591, 28294..28497, 28295..28510		

Seq. No.	16021	Seq. ID	OJ990917_10.9B08.C6
Gene No.	33864	Strand	-
Start	35170	End	35375
Name	OJ990917_10.9B08.C6.o15.tw	Method	TBLASTX:Wheat
Start	28592	End	28878
GI	none	Score	102
Exons	28592..28705, 28594..28710, 28712..28867, 28813..28878		

Seq. No.	16021	Seq. ID	OJ990917_10.9B08.C6
Gene No.	33864	Strand	-
Start	35170	End	35375
Name	OJ990917_10.9B08.C6.o3.ts	Method	TBLASTX:Soybean
Start	28793	End	29323
GI	none	Score	56
Exons	28793..28852, 28912..28953, 28922..29149, 28975..29148, 29138..29323, 29176..29250		

Seq. No.	16021	Seq. ID	OJ990917_10.9B08.C6
Gene No.	33864	Strand	-
Start	35170	End	35375
Name	OJ990917_10.9B08.C6.o13.tw	Method	TBLASTX:Wheat
Start	28946	End	29353
GI	none	Score	76
Exons	28946..29074, 28963..29319, 29126..29320, 29321..29353		

Seq. No.	16021	Seq. ID	OJ990917_10.9B08.C6
Gene No.	33864	Strand	-
Start	35170	End	35375
Name	OJ990917_10.9B08.C6.o7.tm	Method	TBLASTX:Maize
Start	29398	End	29863
GI	none	Score	212
Exons	29398..29583, 29399..29605, 29609..29764, 29696..29752, 29795..29863, 29800..29838		

Seq. No.	16021	Seq. ID	OJ990917_10.9B08.C6
Gene No.	33864	Strand	-
Start	35170	End	35375
Name	OJ990917_10.9B08.C6.o11.tw	Method	TBLASTX:Wheat
Start	29609	End	29958
GI	none	Score	237
Exons	29609..29905, 29726..29893, 29737..29922, 29739..29954, 29884..29958		

Seq. No.	16021	Seq. ID	OJ990917_10.9B08.C6
Gene No.	33864	Strand	-
Start	35170	End	35375
Name	OJ990917_10.9B08.C6.o7.gs	Method	GENSCAN
Start	35170	End	35375
GI	none	Score	.97
Exons	35170..35375		

Seq. No.	16022	Seq. ID	OJ990917_10.9B08.C7
Gene No.	33865	Strand	+
Start	217	End	476
Name	OJ990917_10.9B08.C7.o1.gs	Method	GENSCAN
Start	217	End	476
GI	none	Score	.41
Exons	217..476		

Seq. No.	16023	Seq. ID	OJ990917_10.9B08.C9
Gene No.	33866	Strand	+
Start	209	End	364
Name	OJ990917_10.9B08.C9.o1.gs	Method	GENSCAN
Start	209	End	364
GI	none	Score	.43
Exons	209..364		

Seq. No.	16024	Seq. ID	OJ990817_14.9B08.C1
Gene No.	33867	Strand	+
Start	689	End	1129
Name	OJ990817_14.9B08.C1.o1.gs	Method	GENSCAN
Start	689	End	1129
GI	none	Score	.87
Exons	689..696, 925..1129		

Seq. No.	16024	Seq. ID	OJ990817_14.9B08.C1
Gene No.	33868	Strand	-
Start	41	End	2255
Name	OJ990817_14.9B08.C1.o1.np	Method	AAT/NAP
Start	41	End	2255
GI	6721508	Score	500
Exons	41..249, 844..1030, 1735..1880, 2166..2255		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	16024	Seq. ID	OJ990817_14.9B08.C1
Gene No.	33868	Strand	-
Start	41	End	2255
Name	OJ990817_14.9B08.C1.o2.gs	Method	GENSCAN
Start	1723	End	1878
GI	none	Score	.73
Exons	1723..1878		

Seq. No.	16025	Seq. ID	OJ990817_14.9B08.C2
Gene No.	33869	Strand	+
Start	640	End	3413
Name	OJ990817_14.9B08.C2.o1.gs	Method	GENSCAN
Start	640	End	3413
GI	none	Score	.58
Exons	640..769, 1043..1132, 1759..1916, 2759..2792, 3233..3413		

Seq. No.	16025	Seq. ID	OJ990817_14.9B08.C2
Gene No.	33870	Strand	+
Start	5181	End	10171
Name	OJ990817_14.9B08.C2.o3.np	Method	AAT/NAP
Start	5181	End	10171
GI	6721506	Score	282
Exons	5181..5237, 7475..7609, 10142..10171		
GI Descrip.	(AP001072) EST AU069682(C1560) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	16025	Seq. ID	OJ990817_14.9B08.C2
Gene No.	33871	Strand	-
Start	1	End	313
Name	OJ990817_14.9B08.C2.o1.np	Method	AAT/NAP
Start	1	End	313
GI	6721508	Score	298
Exons	1..313		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	16025	Seq. ID	OJ990817_14.9B08.C2
Gene No.	33872	Strand	-
Start	829	End	2936
Name	OJ990817_14.9B08.C2.o2.np	Method	AAT/NAP
Start	829	End	2936
GI	6721507	Score	603
Exons	829..907, 1116..1190, 1448..1598, 2843..2936		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	16025	Seq. ID	OJ990817_14.9B08.C2
Gene No.	33873	Strand	-
Start	4301	End	9359

Name	OJ990817_14.9B08.C2.o2.gs	Method	GENSCAN
Start	4301	End	9359
GI	none	Score	.66
Exons	4301..4437, 5104..5251, 8494..8743, 9238..9359		

Seq. No.	16026	Seq. ID	OJ990817_14.9B08.C3
Gene No.	33874	Strand	+
Start	1	End	1373
Name	OJ990817_14.9B08.C3.o1.np	Method	AAT/NAP
Start	1	End	1373
GI	6721506	Score	1192
Exons	1..35, 644..1373		
GI Descrip.	(AP001072) EST AU069682(C1560) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	16026	Seq. ID	OJ990817_14.9B08.C3
Gene No.	33874	Strand	+
Start	1	End	1373
Name	OJ990817_14.9B08.C3.o1.gp	Method	AAT/GAP
Start	660	End	908
GI	2428295	Score	452
Exons	660..908		

Seq. No.	16026	Seq. ID	OJ990817_14.9B08.C3
Gene No.	33875	Strand	+
Start	6118	End	7512
Name	OJ990817_14.9B08.C3.o2.np	Method	AAT/NAP
Start	6118	End	7512
GI	6721505	Score	1311
Exons	6118..6358, 6523..6818, 7257..7512		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	16026	Seq. ID	OJ990817_14.9B08.C3
Gene No.	33876	Strand	-
Start	1183	End	1656
Name	OJ990817_14.9B08.C3.o2.gp	Method	AAT/GAP
Start	1183	End	1656
GI	2800642	Score	738
Exons	1183..1656		

Seq. No.	16027	Seq. ID	OJ990817_14.9B08.C4
Gene No.	33877	Strand	-
Start	914	End	1091
Name	OJ990817_14.9B08.C4.o1.np	Method	AAT/NAP
Start	914	End	1091
GI	6721504	Score	189
Exons	914..1091		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	16028	Seq. ID	OJ990817_14.9B08.C5
Gene No.	33878	Strand	+
Start	4231	End	4731
Name	OJ990817_14.9B08.C5.o1.gp	Method	AAT/GAP
Start	4231	End	4731
GI	none	Score	930
Exons	4231..4731		

Seq. No.	16028	Seq. ID	OJ990817_14.9B08.C5
Gene No.	33879	Strand	+
Start	8744	End	11813
Name	OJ990817_14.9B08.C5.o2.gs	Method	GENSCAN
Start	8744	End	11813
GI	none	Score	.63
Exons	8744..8772, 9141..9226, 9503..9671, 9947..10043, 11616..11813		

Seq. No.	16028	Seq. ID	OJ990817_14.9B08.C5
Gene No.	33879	Strand	+
Start	8744	End	11813
Name	OJ990817_14.9B08.C5.o2.np	Method	AAT/NAP
Start	8744	End	11810
GI	6539575	Score	860
Exons	8744..8772, 9141..9226, 9503..9671, 9947..10043, 11616..11810		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa] gi\|6721503\|dbj\|BAA89545.1\| (AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	16028	Seq. ID	OJ990817_14.9B08.C5
Gene No.	33880	Strand	+
Start	13265	End	18144
Name	OJ990817_14.9B08.C5.o3.gs	Method	GENSCAN
Start	13265	End	17930
GI	none	Score	.86
Exons	13265..14756, 14807..15143, 16335..17043, 17139..17262, 17362..17581, 17809..17930		

Seq. No.	16028	Seq. ID	OJ990817_14.9B08.C5
Gene No.	33880	Strand	+
Start	13265	End	18144
Name	OJ990817_14.9B08.C5.o3.np	Method	AAT/NAP
Start	13265	End	18144
GI	6539574	Score	5329
Exons	13265..14756, 14807..15143, 16335..17043, 17139..17262, 17362..17581, 17809..18144		
GI Descrip.	(AP000836) Similar to chromaffin granule ATPase II homolog (U75321) [Oryza sativa]		

Seq. No.	16028	Seq. ID	OJ990817_14.9B08.C5
Gene No.	33881	Strand	-
Start	1039	End	8021
Name	OJ990817_14.9B08.C5.o1.np	Method	AAT/NAP
Start	1039	End	8021
GI	6721504	Score	2010
Exons	1039..1074, 2642..2704, 3075..3478, 4606..4798, 5859..6186, 7611..7854, 7974..8021		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	16028	Seq. ID	OJ990817_14.9B08.C5
Gene No.	33881	Strand	-
Start	1039	End	8021
Name	OJ990817_14.9B08.C5.o1.gs	Method	GENSCAN
Start	1651	End	8021
GI	none	Score	.8
Exons	1651..1716, 2656..2704, 3075..3478, 4606..4798, 5859..6186, 7611..7854, 7974..8021		

Seq. No.	16028	Seq. ID	OJ990817_14.9B08.C5
Gene No.	33881	Strand	-
Start	1039	End	8021
Name	OJ990817_14.9B08.C5.o1.tm	Method	TBLASTX:Maize
Start	4603	End	7756
GI	none	Score	178
Exons	4603..4638, 4619..4744, 4620..4739, 4636..4749, 4738..4824, 4740..4802, 4745..4846, 5840..6184, 5859..6185, 5861..6187, 5862..6191, 7603..7752, 7610..7756		

Seq. No.	16028	Seq. ID	OJ990817_14.9B08.C5
Gene No.	33881	Strand	-
Start	1039	End	8021
Name	OJ990817_14.9B08.C5.o2.ts	Method	TBLASTX:Soybean
Start	5859	End	7747
GI	none	Score	321
Exons	5859..6185, 5861..6184, 5874..6191, 5876..6187, 7609..7746, 7610..7747		

Seq. No.	16028	Seq. ID	OJ990817_14.9B08.C5
Gene No.	33881	Strand	-
Start	1039	End	8021
Name	OJ990817_14.9B08.C5.o2.gp	Method	AAT/GAP
Start	6023	End	7890
GI	uC-osflcyp179h01b1	Score	820
Exons	6023..6186, 7611..7890		
GI Descrip.	'2827715/emb\|CAA16688\| 2.0e-26 (AL021684) receptor protein kinase - like protein [Arabidopsis thaliana]'		

Seq. No.	16028	Seq. ID	OJ990817_14.9B08.C5
Gene No.	33881	Strand	-
Start	1039	End	8021
Name	OJ990817_14.9B08.C5.o3.tc	Method	TBLASTX:Cress
Start	6026	End	7749
GI	none	Score	167
Exons	6026..6184, 6027..6185, 6036..6191, 7603..7749, 7610..7747		

Seq. No.	16028	Seq. ID	OJ990817_14.9B08.C5
Gene No.	33882	Strand	
Start	9294	End	18144
Name	OJ990817_14.9B08.C5.o4.tm	Method	TBLASTX:Maize
Start	9294	End	18144
GI	none	Score	314
Exons	9294..9380, 17800..18144, 17810..18142		

Seq. No.	16028	Seq. ID	OJ990817_14.9B08.C5
Gene No.	33882	Strand	
Start	9294	End	18144
Name	OJ990817_14.9B08.C5.o3.ts	Method	TBLASTX:Soybean
Start	13616	End	14005
GI	none	Score	204
Exons	13616..13780, 13618..13728, 13820..14005, 13822..14004		

Seq. No.	16028	Seq. ID	OJ990817_14.9B08.C5
Gene No.	33882	Strand	
Start	9294	End	18144

Name	OJ990817_14.9B08.C5.o6.tm	Method	TBLASTX:Maize
Start	14036	End	14305
GI	none	Score	184
Exons	14036..14305		

Seq. No.	16028	Seq. ID	OJ990817_14.9B08.C5
Gene No.	33882	Strand	
Start	9294	End	18144
Name	OJ990817_14.9B08.C5.o7.ts	Method	TBLASTX:Soybean
Start	14432	End	14719
GI	none	Score	210
Exons	14432..14719, 14461..14580, 14608..14715		

Seq. No.	16028	Seq. ID	OJ990817_14.9B08.C5
Gene No.	33882	Strand	
Start	9294	End	18144
Name	OJ990817_14.9B08.C5.o5.ts	Method	TBLASTX:Soybean
Start	14860	End	16398
GI	none	Score	136
Exons	14860..14997, 14886..14996, 14983..15144, 15063..15143, 16333..16398		

Seq. No.	16028	Seq. ID	OJ990817_14.9B08.C5
Gene No.	33882	Strand	
Start	9294	End	18144
Name	OJ990817_14.9B08.C5.o1.tc	Method	TBLASTX:Cress
Start	14869	End	16470
GI	none	Score	290
Exons	14869..15141, 14869..15141, 15057..15143, 16330..16470, 16330..16440, 16383..16460		

Seq. No.	16028	Seq. ID	OJ990817_14.9B08.C5
Gene No.	33882	Strand	
Start	9294	End	18144
Name	OJ990817_14.9B08.C5.o5.tm	Method	TBLASTX:Maize
Start	14944	End	15146
GI	none	Score	60
Exons	14944..14991, 14946..14987, 14989..15144, 15057..15146		

Seq. No.	16028	Seq. ID	OJ990817_14.9B08.C5
Gene No.	33882	Strand	
Start	9294	End	18144
Name	OJ990817_14.9B08.C5.o4.ts	Method	TBLASTX:Soybean
Start	16462	End	16830
GI	none	Score	408
Exons	16462..16830, 16464..16823, 16660..16827		

Seq. No.	16028	Seq. ID	OJ990817_14.9B08.C5
Gene No.	33882	Strand	
Start	9294	End	18144
Name	OJ990817_14.9B08.C5.o2.tm	Method	TBLASTX:Maize
Start	16465	End	16839
GI	none	Score	394
Exons	16465..16839, 16467..16829, 16660..16839		

Seq. No.	16028	Seq. ID	OJ990817_14.9B08.C5
Gene No.	33882	Strand	

Start	9294	End	18144
Name	OJ990817_14.9B08.C5.o2.tc	Method	TBLASTX:Cress
Start	16621	End	16838
GI	none	Score	239
Exons	16621..16809, 16642..16836, 16647..16838		

Seq. No.	16028	Seq. ID	OJ990817_14.9B08.C5
Gene No.	33882	Strand	
Start	9294	End	18144
Name	OJ990817_14.9B08.C5.o3.tm	Method	TBLASTX:Maize
Start	16978	End	17594
GI	none	Score	51
Exons	16978..17049, 17138..17263, 17148..17264, 17360..17587, 17361..17594		

Seq. No.	16028	Seq. ID	OJ990817_14.9B08.C5
Gene No.	33882	Strand	
Start	9294	End	18144
Name	OJ990817_14.9B08.C5.o1.ts	Method	TBLASTX:Soybean
Start	16981	End	17587
GI	none	Score	70
Exons	16981..17046, 17145..17264, 17147..17278, 17360..17587, 17361..17582, 17363..17584		

Seq. No.	16028	Seq. ID	OJ990817_14.9B08.C5
Gene No.	33882	Strand	
Start	9294	End	18144
Name	OJ990817_14.9B08.C5.o6.ts	Method	TBLASTX:Soybean
Start	17824	End	18073
GI	none	Score	274
Exons	17824..18072, 17825..18073, 17828..18073		

Seq. No.	16029	Seq. ID	OJ990817_14.9B08.C6
Gene No.	33883	Strand	+
Start	133	End	405
Name	OJ990817_14.9B08.C6.o1.np	Method	AAT/NAP
Start	133	End	402
GI	6539574	Score	336
Exons	133..402		
GI Descrip.	(AP000836) Similar to chromaffin granule ATPase II homolog (U75321) [Oryza sativa]		

Seq. No.	16029	Seq. ID	OJ990817_14.9B08.C6
Gene No.	33883	Strand	+
Start	133	End	405
Name	OJ990817_14.9B08.C6.o1.gs	Method	GENSCAN
Start	254	End	405
GI	none	Score	.74
Exons	254..405		

Seq. No.	16029	Seq. ID	OJ990817_14.9B08.C6
Gene No.	33884	Strand	-
Start	1385	End	2746
Name	OJ990817_14.9B08.C6.o2.tm	Method	TBLASTX:Maize
Start	184	End	573
GI	none	Score	209
Exons	184..375, 187..375, 188..376, 457..531, 458..532, 470..538,		

526..573

Seq. No.	16029	Seq. ID	OJ990817_14.9B08.C6
Gene No.	33884	Strand	-
Start	1385	End	2746
Name	OJ990817_14.9B08.C6.o3.tm	Method	TBLASTX:Maize
Start	1382	End	1729
GI	none	Score	67
Exons	1382..1459, 1386..1442, 1479..1598, 1484..1729, 1611..1676		

Seq. No.	16029	Seq. ID	OJ990817_14.9B08.C6
Gene No.	33884	Strand	-
Start	1385	End	2746
Name	OJ990817_14.9B08.C6.o2.np	Method	AAT/NAP
Start	1385	End	2746
GI	6539573	Score	2474
Exons	1385..2746		
GI Descrip.	(AP000836) Similar to H-protein promoter binding factor-2a (AF079503) [Oryza sativa]		

Seq. No.	16029	Seq. ID	OJ990817_14.9B08.C6
Gene No.	33884	Strand	-
Start	1385	End	2746
Name	OJ990817_14.9B08.C6.o1.tc	Method	TBLASTX:Cress
Start	1391	End	2542
GI	none	Score	87
Exons	1391..1468, 1506..1592, 1517..1642, 1613..1702, 1632..1703, 1829..1873, 2339..2542, 2346..2540		

Seq. No.	16029	Seq. ID	OJ990817_14.9B08.C6
Gene No.	33884	Strand	-
Start	1385	End	2746
Name	OJ990817_14.9B08.C6.o1.tm	Method	TBLASTX:Maize
Start	2324	End	2560
GI	none	Score	235
Exons	2324..2560, 2355..2546		

Seq. No.	16029	Seq. ID	OJ990817_14.9B08.C6
Gene No.	33884	Strand	-
Start	1385	End	2746
Name	OJ990817_14.9B08.C6.o1.ts	Method	TBLASTX:Soybean
Start	2357	End	2546
GI	none	Score	209
Exons	2357..2545, 2358..2546		

Seq. No.	16030	Seq. ID	OJ990817_14.9B08.C7
Gene No.	33885	Strand	+
Start	1	End	10036
Name	OJ990817_14.9B08.C7.o1.np	Method	AAT/NAP
Start	1	End	10033
GI	6539572	Score	3265
Exons	1..528, 1153..1238, 2512..2630, 4553..4876, 5103..5414, 5648..5911, 7238..7263, 7729..7857, 9831..10033		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	16030	Seq. ID	OJ990817_14.9B08.C7
Gene No.	33885	Strand	+

Start	1	End	10036
Name	OJ990817_14.9B08.C7.o1.gs	Method	GENSCAN
Start	6	End	10036
GI	none	Score	.47
Exons	6..424, 434..558, 2533..2626, 4553..4876, 5103..5414, 5648..5911, 7238..7263, 7729..7857, 9831..10036		

Seq. No.	16030	Seq. ID	OJ990817_14.9B08.C7
Gene No.	33886	Strand	-
Start	6434	End	6499
Name	OJ990817_14.9B08.C7.o1.tc	Method	TBLASTX:Cress
Start	278	End	462
GI	none	Score	55
Exons	278..316, 318..458, 319..462		

Seq. No.	16030	Seq. ID	OJ990817_14.9B08.C7
Gene No.	33886	Strand	-
Start	6434	End	6499
Name	OJ990817_14.9B08.C7.o1.tm	Method	TBLASTX:Maize
Start	281	End	542
GI	none	Score	63
Exons	281..319, 284..319, 309..482, 310..489, 483..542, 498..542		

Seq. No.	16030	Seq. ID	OJ990817_14.9B08.C7
Gene No.	33886	Strand	-
Start	6434	End	6499
Name	OJ990817_14.9B08.C7.o1.ts	Method	TBLASTX:Soybean
Start	281	End	465
GI	none	Score	52
Exons	281..316, 318..440, 319..465		

Seq. No.	16030	Seq. ID	OJ990817_14.9B08.C7
Gene No.	33886	Strand	-
Start	6434	End	6499
Name	OJ990817_14.9B08.C7.o2.gp	Method	AAT/GAP
Start	6434	End	6499
GI	77434_1.R1084	Score	86
Exons	6434..6499		
GI Descrip.	'2827528/emb\|CAA16536.1\| 2.0e-10 (AL021633) predicted protein [Arabidopsis thaliana]'		

Seq. No.	16031	Seq. ID	OJ990817_14.9B08.C8
Gene No.	33887	Strand	+
Start	1	End	447
Name	OJ990817_14.9B08.C8.o1.gp	Method	AAT/GAP
Start	1	End	447
GI	4714679	Score	780
Exons	1..447		
GI Descrip.	5852170/emb\|AL117265.1\|OST17804 2.0e-10 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	16031	Seq. ID	OJ990817_14.9B08.C8
Gene No.	33887	Strand	+
Start	1	End	447
Name	OJ990817_14.9B08.C8.o1.gs	Method	GENSCAN
Start	144	End	302
GI	none	Score	.95

Exons	144..302		
Seq. No.	16031	Seq. ID	OJ990817_14.9B08.C8
Gene No.	33888	Strand	-
Start	1669	End	3115
Name	OJ990817_14.9B08.C8.o1.tm	Method	TBLASTX:Maize
Start	6	End	296
GI	none	Score	179
Exons	6..194, 14..199, 225..296		
Seq. No.	16031	Seq. ID	OJ990817_14.9B08.C8
Gene No.	33888	Strand	-
Start	1669	End	3115
Name	OJ990817_14.9B08.C8.o2.gs	Method	GENSCAN
Start	1669	End	3115
GI	none	Score	.7
Exons	1669..1761, 2819..2940, 2980..3115		
Seq. No.	16031	Seq. ID	OJ990817_14.9B08.C8
Gene No.	33888	Strand	-
Start	1669	End	3115
Name	OJ990817_14.9B08.C8.o1.np	Method	AAT/NAP
Start	1672	End	3115
GI	6539571	Score	577
Exons	1672..1761, 2819..2940, 2980..3115		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		
Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33889	Strand	+
Start	764	End	6258
Name	OJ990817_14.9B08.C10.o1.gs	Method	GENSCAN
Start	764	End	6258
GI	none	Score	.65
Exons	764..803, 3029..3189, 3349..3415, 3966..4551, 6126..6258		
Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33889	Strand	+
Start	764	End	6258
Name	OJ990817_14.9B08.C10.o1.np	Method	AAT/NAP
Start	764	End	6255
GI	6539570	Score	1649
Exons	764..803, 3029..3189, 3349..3415, 3966..4551, 6126..6255		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		
Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33889	Strand	+
Start	764	End	6258
Name	OJ990817_14.9B08.C10.o1.gp	Method	AAT/GAP
Start	3828	End	4269
GI	LIB3433-051-P1-K1-G11	Score	850
Exons	3828..4269		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 2.0e-10 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33890	Strand	+
Start	6763	End	21895

Name	OJ990817_14.9B08.C10.o3.gp	Method	AAT/GAP
Start	6561	End	6771
GI	none	Score	293
Exons	6561..6771		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33890	Strand	+
Start	6763	End	21895
Name	OJ990817_14.9B08.C10.o2.gs	Method	GENSCAN
Start	6763	End	17090
GI	none	Score	.74
Exons	6763..6862, 6984..7097, 7273..7368, 7550..7789, 7920..8098, 8789..8863, 9190..9285, 10666..11017, 11111..11215, 11294..11395, 16654..17090		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33890	Strand	+
Start	6763	End	21895
Name	OJ990817_14.9B08.C10.o2.np	Method	AAT/NAP
Start	6763	End	11424
GI	6539569	Score	2327
Exons	6763..6862, 6984..7097, 7273..7368, 7550..7789, 7920..8098, 8789..8863, 9190..9285, 10666..11017, 11111..11215, 11294..11424		
GI Descrip.	(AP000836) EST C19724(E10840) corresponds to a region of the predicted gene.; Similar to protein kinase C substrate (P14314) [Oryza sativa]		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33890	Strand	+
Start	6763	End	21895
Name	OJ990817_14.9B08.C10.o4.gp	Method	AAT/GAP
Start	7343	End	10825
GI	53729_1.R1084	Score	1431
Exons	7343..7368, 7550..7789, 7920..8098, 8789..8863, 9190..9285, 10666..10825		
GI Descrip.	'2104691 2.0e-10 (U92794) alpha glucosidase II, beta subunit [Mus musculus]'		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33890	Strand	+
Start	6763	End	21895
Name	OJ990817_14.9B08.C10.o5.gp	Method	AAT/GAP
Start	11096	End	13577
GI	25552_1.R1084	Score	1811
Exons	11096..11215, 11294..11395, 12009..12066, 12195..12263, 12625..12712, 12819..12880, 12967..13018, 13106..13577		
GI Descrip.	'2104691 4.0e-19 (U92794) alpha glucosidase II, beta subunit [Mus musculus]'		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33890	Strand	+
Start	6763	End	21895
Name	OJ990817_14.9B08.C10.o7.gp	Method	AAT/GAP
Start	16650	End	20496
GI	44866_1.R1084	Score	1103
Exons	16650..17018, 20292..20496		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 2.0e-10 Oryza sativa		

indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33890	Strand	+
Start	6763	End	21895
Name	OJ990817_14.9B08.C10.o3.np	Method	AAT/NAP
Start	16773	End	21639
GI	6539568	Score	2495
Exons	16773..17018, 20292..20753, 20827..21639		
GI Descrip.	(AP000836) ESTs AU081247(C50004),AU068940(C51113) correspond to a region of the predicted gene.; Similar to pyruvate kinase (Q42954) [Oryza sativa]		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33890	Strand	+
Start	6763	End	21895
Name	OJ990817_14.9B08.C10.o4.gs	Method	GENSCAN
Start	20253	End	21642
GI	none	Score	.74
Exons	20253..20753, 20827..21642		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33890	Strand	+
Start	6763	End	21895
Name	OJ990817_14.9B08.C10.o8.gp	Method	AAT/GAP
Start	21196	End	21895
GI	71434_1.R1084	Score	1207
Exons	21196..21895		
GI Descrip.	'2497543/sp\|Q42954\|KPYC_TOBAC 3.0e-36 PYRUVATE KINASE, CYTOSOLIC ISOZYME >gi_542061_pir__S41379 pyruvate kinase - common tobacco >gi_444023_emb_CAA82628_ (Z29492) pyruvate kinase [Nicotiana tabacum]'		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33891	Strand	+
Start	24274	End	24574
Name	OJ990817_14.9B08.C10.o10.gp	Method	AAT/GAP
Start	24274	End	24574
GI	none	Score	583
Exons	24274..24574		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33892	Strand	+
Start	27037	End	31290
Name	OJ990817_14.9B08.C10.o12.gp	Method	AAT/GAP
Start	27037	End	28644
GI	LIB3433-016-Q6-K6-D1	Score	669
Exons	27037..27137, 28270..28515, 28604..28644		
GI Descrip.	'3461884/dbj\|BAA32528\| 1.0e-37 (AB006082) phosphoribosyl-ATP pyrophosphohydrolase [Arabidopsis thaliana] >gi_3461886_dbj_BAA32529_ (AB006083) phosphoribosyl-ATP pyrophosphohydrolase [Arabidopsis thaliana]'		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33892	Strand	+
Start	27037	End	31290
Name	OJ990817_14.9B08.C10.o5.np	Method	AAT/NAP

Start	28357	End	31287
GI	6539566	Score	943
Exons	28357..28515, 28604..28699, 28772..28923, 31089..31287		
GI Descrip.	(AP000836) Similar to phosphoribosyl-ATP pyrophosphohydrolase (AB006082) [Oryza sativa]		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33892	Strand	+
Start	27037	End	31290
Name	OJ990817_14.9B08.C10.o6.gs	Method	GENSCAN
Start	28357	End	31290
GI	none	Score	.78
Exons	28357..28515, 28604..28699, 28772..28923, 31089..31290		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33893	Strand	+
Start	32072	End	33508
Name	OJ990817_14.9B08.C10.o6.np	Method	AAT/NAP
Start	32072	End	33505
GI	6539565	Score	2373
Exons	32072..33505		
GI Descrip.	(AP000836) EST AU058092(S1536) corresponds to a region of the predicted gene.; Similar to presenilin (AC003981) [Oryza sativa]		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33893	Strand	+
Start	32072	End	33508
Name	OJ990817_14.9B08.C10.o7.gs	Method	GENSCAN
Start	32072	End	33508
GI	none	Score	1
Exons	32072..33508		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33894	Strand	+
Start	33467	End	33742
Name	OJ990817_14.9B08.C10.o13.gp	Method	AAT/GAP
Start	33467	End	33742
GI	4714125	Score	486
Exons	33467..33742		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33895	Strand	-
Start	4393	End	4681
Name	OJ990817_14.9B08.C10.o2.gp	Method	AAT/GAP
Start	4393	End	4681
GI	none	Score	534
Exons	4393..4681		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33896	Strand	-
Start	15591	End	15813
Name	OJ990817_14.9B08.C10.o6.gp	Method	AAT/GAP
Start	15591	End	15813
GI	LIB3477-003-P1-K1-E9	Score	129
Exons	15591..15618, 15729..15813		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza		

sativa]'

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33897	Strand	-
Start	23469	End	27641
Name	OJ990817_14.9B08.C10.o4.tm	Method	TBLASTX:Maize
Start	6825	End	8863
GI	none	Score	44
Exons	6825..6860, 6838..6861, 6981..7046, 6983..7099, 7271..7357, 7272..7367, 7528..7785, 7543..7704, 7550..7729, 7550..7789, 7563..7790, 7918..7935, 8004..8096, 8008..8103, 8801..8863, 8803..8862		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33897	Strand	-
Start	23469	End	27641
Name	OJ990817_14.9B08.C10.o7.ts	Method	TBLASTX:Soybean
Start	7049	End	7725
GI	none	Score	63
Exons	7049..7093, 7311..7367, 7543..7707, 7549..7725		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33897	Strand	-
Start	23469	End	27641
Name	OJ990817_14.9B08.C10.o4.tw	Method	TBLASTX:Wheat
Start	7561	End	7790
GI	none	Score	246
Exons	7561..7785, 7561..7785, 7562..7789, 7563..7790		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33897	Strand	-
Start	23469	End	27641
Name	OJ990817_14.9B08.C10.o3.tm	Method	TBLASTX:Maize
Start	10762	End	13036
GI	none	Score	124
Exons	10762..10908, 10802..11005, 10849..10896, 10862..10906, 10965..11000, 10970..11005, 11108..11209, 11109..11213, 11110..11214, 11281..11409, 11286..11408, 12008..12076, 12009..12068, 12193..12264, 12194..12262, 12195..12263, 12610..12714, 12624..12713, 12625..12714, 12626..12721, 12794..12889, 12813..12887, 12817..12918, 12967..13020, 12968..13036		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33897	Strand	-
Start	23469	End	27641
Name	OJ990817_14.9B08.C10.o5.ts	Method	TBLASTX:Soybean
Start	11122	End	13036
GI	none	Score	84
Exons	11122..11214, 11291..11395, 11292..11396, 11293..11409, 12008..12076, 12018..12068, 12190..12264, 12192..12326, 12617..12706, 12624..12713, 12624..12713, 12628..12714, 12629..12721, 12813..12887, 12818..12889, 12967..13020, 12968..13036		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33897	Strand	-

Start	23469	End	27641
Name	OJ990817_14.9B08.C10.o3.tw	Method	TBLASTX:Wheat
Start	16396	End	20420
GI	none	Score	52
Exons	16396..16443, 16433..16474, 16788..17018, 16802..17026, 16910..17020, 16955..17029, 20277..20360, 20279..20359, 20346..20420, 20366..20419		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33897	Strand	-
Start	23469	End	27641
Name	OJ990817_14.9B08.C10.o1.tm	Method	TBLASTX:Maize
Start	16763	End	21768
GI	none	Score	354
Exons	16763..17026, 16764..17018, 16823..17020, 20277..20756, 20279..20755, 20289..20762, 20812..21393, 20816..21034, 20826..21392, 20966..21397, 21375..21638, 21394..21666, 21394..21645, 21726..21767, 21727..21768		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33897	Strand	-
Start	23469	End	27641
Name	OJ990817_14.9B08.C10.o1.ts	Method	TBLASTX:Soybean
Start	16803	End	21642
GI	none	Score	322
Exons	16803..17018, 16817..17026, 16820..17020, 20277..20756, 20279..20755, 20812..21393, 20826..21389, 21229..21390, 21375..21470, 21376..21630, 21394..21642, 21531..21638		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33897	Strand	-
Start	23469	End	27641
Name	OJ990817_14.9B08.C10.o3.tc	Method	TBLASTX:Cress
Start	16823	End	21528
GI	none	Score	203
Exons	16823..17026, 16824..17015, 21045..21086, 21046..21390, 21144..21389, 21397..21528		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33897	Strand	-
Start	23469	End	27641
Name	OJ990817_14.9B08.C10.o5.tc	Method	TBLASTX:Cress
Start	20262	End	20429
GI	none	Score	192
Exons	20262..20429, 20289..20423, 20291..20428		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33897	Strand	-
Start	23469	End	27641
Name	OJ990817_14.9B08.C10.o1.tc	Method	TBLASTX:Cress
Start	20504	End	21045
GI	none	Score	386
Exons	20504..20749, 20505..20753, 20510..20755, 20824..20856, 20850..21044, 20860..21045		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33897	Strand	-

Start	23469	End	27641
Name	OJ990817_14.9B08.C10.o1.tw	Method	TBLASTX:Wheat
Start	20875	End	21150
GI	none	Score	421
Exons	20875..21150, 20877..21149		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33897	Strand	-
Start	23469	End	27641
Name	OJ990817_14.9B08.C10.o5.tw	Method	TBLASTX:Wheat
Start	21228	End	21528
GI	none	Score	172
Exons	21228..21392, 21229..21393, 21337..21393, 21394..21528		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33897	Strand	-
Start	23469	End	27641
Name	OJ990817_14.9B08.C10.o9.gp	Method	AAT/GAP
Start	22789	End	22964
GI	533_1.R1084	Score	151
Exons	22789..22842, 22879..22964		
GI Descrip.	'113172/sp\|P15543\|ACP3_HORVU 9.0e-52 ACYL CARRIER PROTEIN III PRECURSOR (ACP III) >gi_100561_pir__S17928 acyl carrier protein 3 - barley >gi_166971 (M58754) acyl carrier protein III [Hordeum vulgare]'		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33897	Strand	-
Start	23469	End	27641
Name	OJ990817_14.9B08.C10.o5.gs	Method	GENSCAN
Start	23469	End	27641
GI	none	Score	.79
Exons	23469..23518, 23677..23827, 23935..24055, 24383..24583, 24603..25558, 26742..27094, 27554..27641		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33897	Strand	-
Start	23469	End	27641
Name	OJ990817_14.9B08.C10.o4.np	Method	AAT/NAP
Start	24503	End	25489
GI	6539567	Score	1701
Exons	24503..25489		
GI Descrip.	(AP000836) EST C72938(E2506) corresponds to a region of the predicted gene.; Similar to Arabidopsis thaliana chromosome I BAC T5A14 genomic sequence; unknown protein (AC005223) [Oryza sativa]		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33897	Strand	-
Start	23469	End	27641
Name	OJ990817_14.9B08.C10.o4.tc	Method	TBLASTX:Cress
Start	24698	End	25012
GI	none	Score	73
Exons	24698..24853, 24717..24812, 24863..25012, 24888..25010		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33897	Strand	-

Start	23469	End	27641
Name	OJ990817_14.9B08.C10.o2.tm	Method	TBLASTX:Maize
Start	24704	End	25174
GI	none	Score	140
Exons	24704..24868, 24717..24809, 24854..25018, 24873..25019, 24929..25021, 25094..25174		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33897	Strand	-
Start	23469	End	27641
Name	OJ990817_14.9B08.C10.o6.ts	Method	TBLASTX:Soybean
Start	24707	End	24926
GI	none	Score	65
Exons	24707..24862, 24717..24812, 24863..24925, 24888..24926		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33897	Strand	-
Start	23469	End	27641
Name	OJ990817_14.9B08.C10.o11.gp	Method	AAT/GAP
Start	25205	End	26054
GI	none	Score	825
Exons	25205..25558, 25979..26054		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33898	Strand	
Start	28245	End	31454
Name	OJ990817_14.9B08.C10.o2.ts	Method	TBLASTX:Soybean
Start	28245	End	28497
GI	none	Score	163
Exons	28245..28484, 28268..28375, 28269..28493, 28270..28497, 28285..28494		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33898	Strand	
Start	28245	End	31454
Name	OJ990817_14.9B08.C10.o2.tc	Method	TBLASTX:Cress
Start	28269	End	31298
GI	none	Score	349
Exons	28269..28520, 28270..28518, 28603..28680, 28603..28674, 28604..28705, 28748..28924, 28783..28923, 31073..31186, 31090..31284, 31141..31269, 31155..31298, 31161..31280		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33898	Strand	
Start	28245	End	31454
Name	OJ990817_14.9B08.C10.o5.tm	Method	TBLASTX:Maize
Start	28587	End	28924
GI	none	Score	106
Exons	28587..28697, 28587..28694, 28588..28698, 28589..28699, 28766..28804, 28804..28848, 28805..28849, 28849..28920, 28850..28924, 28860..28922		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33898	Strand	
Start	28245	End	31454
Name	OJ990817_14.9B08.C10.o7.tm	Method	TBLASTX:Maize
Start	31090	End	31454

GI	none	Score	269
Exons	31090..31290, 31091..31174, 31161..31289, 31241..31294, 31425..31454		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33899	Strand	
Start	32141	End	32572
Name	OJ990817_14.9B08.C10.o6.tm	Method	TBLASTX:Maize
Start	32141	End	32572
GI	none	Score	84
Exons	32141..32200, 32143..32226, 32188..32226, 32296..32571, 32306..32341, 32417..32572		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33900	Strand	
Start	32483	End	32842
Name	OJ990817_14.9B08.C10.o4.ts	Method	TBLASTX:Soybean
Start	32483	End	32842
GI	none	Score	120
Exons	32483..32605, 32560..32604, 32600..32836, 32705..32842		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33901	Strand	
Start	33236	End	33559
Name	OJ990817_14.9B08.C10.o3.ts	Method	TBLASTX:Soybean
Start	33236	End	33508
GI	none	Score	333
Exons	33236..33508, 33247..33504		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33901	Strand	
Start	33236	End	33559
Name	OJ990817_14.9B08.C10.o2.tw	Method	TBLASTX:Wheat
Start	33247	End	33509
GI	none	Score	392
Exons	33247..33507, 33248..33508, 33255..33509		

Seq. No.	16032	Seq. ID	OJ990817_14.9B08.C10
Gene No.	33901	Strand	
Start	33236	End	33559
Name	OJ990817_14.9B08.C10.o8.tm	Method	TBLASTX:Maize
Start	33376	End	33559
GI	none	Score	212
Exons	33376..33510, 33377..33511, 33383..33559, 33384..33521		

Seq. No.	16033	Seq. ID	OJ990817_14.9B08.C12
Gene No.	33902	Strand	+
Start	189	End	295
Name	OJ990817_14.9B08.C12.o1.gs	Method	GENSCAN
Start	189	End	295
GI	none	Score	.67
Exons	189..295		

Seq. No.	16034	Seq. ID	OJ990817_14.9B08.C15
Gene No.	33903	Strand	-
Start	171	End	324
Name	OJ990817_14.9B08.C15.o1.np	Method	AAT/NAP

Start	171	End	324
GI	3668084	Score	70
Exons	171..324		
GI Descrip.	(AC004667) unknown protein [Arabidopsis thaliana]		

Seq. No.	16034	Seq. ID	OJ990817_14.9B08.C15
Gene No.	33903	Strand	-
Start	171	End	324
Name	OJ990817_14.9B08.C15.o1.tm	Method	TBLASTX:Maize
Start	175	End	321
GI	none	Score	155
Exons	175..321, 184..315, 196..321		

Seq. No.	16034	Seq. ID	OJ990817_14.9B08.C15
Gene No.	33903	Strand	-
Start	171	End	324
Name	OJ990817_14.9B08.C15.o1.gs	Method	GENSCAN
Start	196	End	318
GI	none	Score	.84
Exons	196..318		

Seq. No.	16035	Seq. ID	OJ990917_19.9B01.C4
Gene No.	33904	Strand	-
Start	1	End	266
Name	OJ990917_19.9B01.C4.o1.gp	Method	AAT/GAP
Start	1	End	266
GI	none	Score	479
Exons	1..266		

Seq. No.	16036	Seq. ID	OJ990917_19.9B01.C5
Gene No.	33905	Strand	+
Start	191	End	376
Name	OJ990917_19.9B01.C5.o1.gs	Method	GENSCAN
Start	191	End	376
GI	none	Score	.91
Exons	191..376		

Seq. No.	16037	Seq. ID	OJ990917_19.9B01.C7
Gene No.	33906	Strand	+
Start	86	End	206
Name	OJ990917_19.9B01.C7.o1.gs	Method	GENSCAN
Start	86	End	206
GI	none	Score	.86
Exons	86..206		

Seq. No.	16037	Seq. ID	OJ990917_19.9B01.C7
Gene No.	33907	Strand	+
Start	413	End	722
Name	OJ990917_19.9B01.C7.o1.gp	Method	AAT/GAP
Start	413	End	722
GI	none	Score	620
Exons	413..722		

Seq. No.	16038	Seq. ID	OJ990917_19.9B01.C8
Gene No.	33908	Strand	+
Start	45	End	1386
Name	OJ990917_19.9B01.C8.o1.gp	Method	AAT/GAP

Start	45	End	1386
GI	3760511	Score	590
Exons	45..134, 1127..1386		

Seq. No.	16039	Seq. ID	OJ990917_19.9B01.C9
Gene No.	33909	Strand	+
Start	321	End	11028
Name	OJ990917_19.9B01.C9.o1.np	Method	AAT/NAP
Start	321	End	11028
GI	6523547	Score	203
Exons	321..357, 474..577, 2153..2468, 6225..6354, 7120..7334, 10254..10650, 10992..11028		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	16039	Seq. ID	OJ990917_19.9B01.C9
Gene No.	33910	Strand	-
Start	269	End	2428
Name	OJ990917_19.9B01.C9.o1.gs	Method	GENSCAN
Start	269	End	2428
GI	none	Score	.52
Exons	269..283, 450..599, 2351..2428		

Seq. No.	16040	Seq. ID	OJ990917_19.9B01.C10
Gene No.	33911	Strand	-
Start	89	End	1068
Name	OJ990917_19.9B01.C10.o1.gp	Method	AAT/GAP
Start	89	End	948
GI	none	Score	1429
Exons	89..700, 795..948		

Seq. No.	16040	Seq. ID	OJ990917_19.9B01.C10
Gene No.	33911	Strand	-
Start	89	End	1068
Name	OJ990917_19.9B01.C10.o1.gs	Method	GENSCAN
Start	243	End	1068
GI	none	Score	.71
Exons	243..700, 1007..1068		

Seq. No.	16041	Seq. ID	OJ990917_19.9B01.C11
Gene No.	33912	Strand	+
Start	1032	End	3220
Name	OJ990917_19.9B01.C11.o1.gs	Method	GENSCAN
Start	1032	End	2747
GI	none	Score	.57
Exons	1032..1201, 2375..2747		

Seq. No.	16041	Seq. ID	OJ990917_19.9B01.C11
Gene No.	33912	Strand	+
Start	1032	End	3220
Name	OJ990917_19.9B01.C11.o1.tw	Method	TBLASTX:Wheat
Start	2013	End	2324
GI	none	Score	160
Exons	2013..2204, 2018..2203, 2196..2324		

Seq. No.	16041	Seq. ID	OJ990917_19.9B01.C11
Gene No.	33912	Strand	+

Start	1032	End	3220
Name	OJ990917_19.9B01.C11.o1.np	Method	AAT/NAP
Start	2017	End	3220
GI	4581111	Score	87
Exons	2017..2330, 3177..3220		
GI Descrip.	(AC005825) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	16042	Seq. ID	OJ990917_19.9B01.C12
Gene No.	33913	Strand	+
Start	158	End	1109
Name	OJ990917_19.9B01.C12.o1.gs	Method	GENSCAN
Start	158	End	1107
GI	none	Score	.83
Exons	158..347, 559..692, 779..1107		

Seq. No.	16042	Seq. ID	OJ990917_19.9B01.C12
Gene No.	33913	Strand	+
Start	158	End	1109
Name	OJ990917_19.9B01.C12.o1.np	Method	AAT/NAP
Start	164	End	1109
GI	6553927	Score	434
Exons	164..347, 574..692, 779..1109		
GI Descrip.	(AC012329) putative alpha NAC [Arabidopsis thaliana] gi\|6561948\|emb\|CAB62452.1\| (AL132964) alpha NAC-like protein [Arabidopsis thaliana]		

Seq. No.	16042	Seq. ID	OJ990917_19.9B01.C12
Gene No.	33913	Strand	+
Start	158	End	1109
Name	OJ990917_19.9B01.C12.o2.gp	Method	AAT/GAP
Start	541	End	1038
GI	LIB3433-043-P1-K1-E4	Score	652
Exons	541..692, 779..1038		
GI Descrip.	'4115918 1.0e-31 (AF118222) similar to nascent polypeptide associated complex alpha chain [Arabidopsis thaliana]'		

Seq. No.	16042	Seq. ID	OJ990917_19.9B01.C12
Gene No.	33913	Strand	+
Start	158	End	1109
Name	OJ990917_19.9B01.C12.o1.tm	Method	TBLASTX:Maize
Start	560	End	1051
GI	none	Score	97
Exons	560..691, 623..691, 624..695, 779..802, 805..1050, 806..1051		

Seq. No.	16042	Seq. ID	OJ990917_19.9B01.C12
Gene No.	33913	Strand	+
Start	158	End	1109
Name	OJ990917_19.9B01.C12.o1.tw	Method	TBLASTX:Wheat
Start	575	End	1051
GI	none	Score	68
Exons	575..691, 623..691, 624..695, 779..802, 805..942, 806..937, 977..1051		

Seq. No.	16042	Seq. ID	OJ990917_19.9B01.C12
Gene No.	33913	Strand	+
Start	158	End	1109

Name	OJ990917_19.9B01.C12.o1.tc	Method	TBLASTX:Cress
Start	587	End	1051
GI	none	Score	58
Exons	587..691, 623..691, 624..695, 779..802, 805..1050, 806..1051		

Seq. No.	16042	Seq. ID	OJ990917_19.9B01.C12
Gene No.	33913	Strand	+
Start	158	End	1109
Name	OJ990917_19.9B01.C12.o1.ts	Method	TBLASTX:Soybean
Start	623	End	1045
GI	none	Score	100
Exons	623..691, 624..695, 805..918, 806..940, 806..925, 977..1045, 991..1044		

Seq. No.	16043	Seq. ID	OJ990917_19.9B01.C13
Gene No.	33914	Strand	+
Start	5541	End	7590
Name	OJ990917_19.9B01.C13.o2.gs	Method	GENSCAN
Start	5541	End	7590
GI	none	Score	.57
Exons	5541..6788, 7404..7519, 7530..7590		

Seq. No.	16043	Seq. ID	OJ990917_19.9B01.C13
Gene No.	33914	Strand	+
Start	5541	End	7590
Name	OJ990917_19.9B01.C13.o1.np	Method	AAT/NAP
Start	5559	End	6656
GI	3298539	Score	585
Exons	5559..6656		
GI Descrip.	(AC004681) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	16043	Seq. ID	OJ990917_19.9B01.C13
Gene No.	33915	Strand	+
Start	9369	End	12133
Name	OJ990917_19.9B01.C13.o4.gs	Method	GENSCAN
Start	9369	End	12133
GI	none	Score	.41
Exons	9369..9588, 10106..10217, 10235..10321, 11241..11332, 12066..12133		

Seq. No.	16043	Seq. ID	OJ990917_19.9B01.C13
Gene No.	33916	Strand	-
Start	1632	End	5262
Name	OJ990917_19.9B01.C13.o1.gs	Method	GENSCAN
Start	1632	End	5262
GI	none	Score	.42
Exons	1632..1774, 3185..3580, 3816..3938, 4702..4806, 5045..5116, 5233..5262		

Seq. No.	16043	Seq. ID	OJ990917_19.9B01.C13
Gene No.	33917	Strand	-
Start	7752	End	8765
Name	OJ990917_19.9B01.C13.o1.tw	Method	TBLASTX:Wheat
Start	5511	End	5897
GI	none	Score	171
Exons	5511..5747, 5532..5555, 5604..5654, 5699..5746, 5750..5896, 5751..5897		

Seq. No.	16043	Seq. ID	OJ990917_19.9B01.C13
Gene No.	33917	Strand	-
Start	7752	End	8765
Name	OJ990917_19.9B01.C13.o1.tm	Method	TBLASTX:Maize
Start	5798	End	6242
GI	none	Score	213
Exons	5798..6010, 5823..5996, 5964..6140, 6002..6175, 6003..6143, 6143..6241, 6144..6242		

Seq. No.	16043	Seq. ID	OJ990917_19.9B01.C13
Gene No.	33917	Strand	-
Start	7752	End	8765
Name	OJ990917_19.9B01.C13.o1.tc	Method	TBLASTX:Cress
Start	5802	End	6350
GI	none	Score	140
Exons	5802..5996, 6020..6052, 6024..6065, 6077..6163, 6078..6164, 6149..6304, 6159..6350		

Seq. No.	16043	Seq. ID	OJ990917_19.9B01.C13
Gene No.	33917	Strand	-
Start	7752	End	8765
Name	OJ990917_19.9B01.C13.o1.ts	Method	TBLASTX:Soybean
Start	5802	End	6311
GI	none	Score	139
Exons	5802..6008, 5885..6007, 6024..6053, 6083..6163, 6084..6164, 6152..6304, 6159..6311		

Seq. No.	16043	Seq. ID	OJ990917_19.9B01.C13
Gene No.	33917	Strand	-
Start	7752	End	8765
Name	OJ990917_19.9B01.C13.o2.tm	Method	TBLASTX:Maize
Start	6258	End	6746
GI	none	Score	79
Exons	6258..6326, 6269..6325, 6359..6490, 6360..6536, 6450..6536, 6502..6672, 6570..6746, 6570..6677, 6580..6702		

Seq. No.	16043	Seq. ID	OJ990917_19.9B01.C13
Gene No.	33917	Strand	-
Start	7752	End	8765
Name	OJ990917_19.9B01.C13.o3.gs	Method	GENSCAN
Start	7752	End	8765
GI	none	Score	.4
Exons	7752..8203, 8351..8765		

Seq. No.	16044	Seq. ID	OJ990917_19.9B01.C14
Gene No.	33918	Strand	+
Start	202	End	445
Name	OJ990917_19.9B01.C14.o1.gs	Method	GENSCAN
Start	202	End	445
GI	none	Score	.55
Exons	202..296, 316..445		

Seq. No.	16044	Seq. ID	OJ990917_19.9B01.C14
Gene No.	33919	Strand	-
Start	1	End	1517
Name	OJ990917_19.9B01.C14.o1.np	Method	AAT/NAP

Start	1	End	1517
GI	6721512	Score	45
Exons	1..22, 950..1052, 1478..1517		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	16045	Seq. ID	OJ990917_19.9B01.C15
Gene No.	33920	Strand	+
Start	579	End	3715
Name	OJ990917_19.9B01.C15.o1.gs	Method	GENSCAN
Start	579	End	3650
GI	none	Score	.48
Exons	579..658, 1196..1376, 1607..1744, 2834..3049, 3309..3650		

Seq. No.	16045	Seq. ID	OJ990917_19.9B01.C15
Gene No.	33920	Strand	+
Start	579	End	3715
Name	OJ990917_19.9B01.C15.o1.tw	Method	TBLASTX:Wheat
Start	3441	End	3578
GI	none	Score	178
Exons	3441..3578, 3454..3489, 3470..3577		

Seq. No.	16045	Seq. ID	OJ990917_19.9B01.C15
Gene No.	33920	Strand	+
Start	579	End	3715
Name	OJ990917_19.9B01.C15.o1.tm	Method	TBLASTX:Maize
Start	3506	End	3715
GI	none	Score	208
Exons	3506..3715, 3507..3713		

Seq. No.	16046	Seq. ID	OJ990917_19.9B01.C16
Gene No.	33921	Strand	+
Start	1	End	297
Name	OJ990917_19.9B01.C16.o1.gp	Method	AAT/GAP
Start	1	End	297
GI	LIB3433-030-P1-K1-D10	Score	578
Exons	1..297		
GI Descrip.	'5042452/gb\|AAD38289.1\|AC007789_15 4.0e-30 (AC007789) putative ABA induced plasma membrane protein [Oryza sativa]'		

Seq. No.	16046	Seq. ID	OJ990917_19.9B01.C16
Gene No.	33922	Strand	+
Start	6709	End	6976
Name	OJ990917_19.9B01.C16.o2.np	Method	AAT/NAP
Start	6709	End	6976
GI	3080427	Score	71
Exons	6709..6976		
GI Descrip.	(AL022604) putative protein [Arabidopsis thaliana]		

Seq. No.	16046	Seq. ID	OJ990917_19.9B01.C16
Gene No.	33923	Strand	-
Start	3314	End	7091
Name	OJ990917_19.9B01.C16.o2.gs	Method	GENSCAN
Start	3314	End	7091
GI	none	Score	.79
Exons	3314..3367, 3588..3682, 4099..4195, 4797..6175, 6259..6439, 6721..6915, 7041..7091		

Seq. No.	16046	Seq. ID	OJ990917_19.9B01.C16
Gene No.	33923	Strand	-
Start	3314	End	7091
Name	OJ990917_19.9B01.C16.o1.np	Method	AAT/NAP
Start	5145	End	6014
GI	4455212	Score	529
Exons	5145..6014		
GI Descrip.	(AL035440) putative NPK1-related protein kinase [Arabidopsis thaliana]		

Seq. No.	16046	Seq. ID	OJ990917_19.9B01.C16
Gene No.	33923	Strand	-
Start	3314	End	7091
Name	OJ990917_19.9B01.C16.o1.tw	Method	TBLASTX:Wheat
Start	5192	End	6017
GI	none	Score	130
Exons	5192..5332, 5667..5792, 5667..5798, 5668..5799, 5673..5882, 5811..5882, 5858..5995, 5865..6017, 5908..6006		

Seq. No.	16046	Seq. ID	OJ990917_19.9B01.C16
Gene No.	33923	Strand	-
Start	3314	End	7091
Name	OJ990917_19.9B01.C16.o1.ts	Method	TBLASTX:Soybean
Start	5238	End	5729
GI	none	Score	137
Exons	5238..5405, 5400..5480, 5511..5540, 5553..5729		

Seq. No.	16046	Seq. ID	OJ990917_19.9B01.C16
Gene No.	33923	Strand	-
Start	3314	End	7091
Name	OJ990917_19.9B01.C16.o1.tc	Method	TBLASTX:Cress
Start	5253	End	5786
GI	none	Score	127
Exons	5253..5564, 5254..5484, 5506..5541, 5538..5729, 5569..5736, 5751..5786		

Seq. No.	16046	Seq. ID	OJ990917_19.9B01.C16
Gene No.	33923	Strand	-
Start	3314	End	7091
Name	OJ990917_19.9B01.C16.o1.tm	Method	TBLASTX:Maize
Start	5322	End	5766
GI	none	Score	100
Exons	5322..5420, 5323..5421, 5323..5421, 5389..5574, 5410..5475, 5421..5561, 5568..5744, 5569..5766, 5727..5765		

Seq. No.	16046	Seq. ID	OJ990917_19.9B01.C16
Gene No.	33923	Strand	-
Start	3314	End	7091
Name	OJ990917_19.9B01.C16.o2.tm	Method	TBLASTX:Maize
Start	5766	End	6024
GI	none	Score	190
Exons	5766..5978, 5767..5979, 5965..6024, 5979..6008		

Seq. No.	16046	Seq. ID	OJ990917_19.9B01.C16
Gene No.	33923	Strand	-
Start	3314	End	7091
Name	OJ990917_19.9B01.C16.o2.gp	Method	AAT/GAP

Start	5798	End	6084
GI	427983	Score	546
Exons	5798..6084		

Seq. No.	16047	Seq. ID	OJ990917_19.9B01.C19
Gene No.	33924	Strand	+
Start	78	End	2977
Name	OJ990917_19.9B01.C19.o1.gs	Method	GENSCAN
Start	78	End	2977
GI	none	Score	.74
Exons	78..210, 295..542, 1577..2977		

Seq. No.	16047	Seq. ID	OJ990917_19.9B01.C19
Gene No.	33925	Strand	+
Start	4980	End	6356
Name	OJ990917_19.9B01.C19.o3.gs	Method	GENSCAN
Start	4980	End	6245
GI	none	Score	.81
Exons	4980..5285, 5969..6245		

Seq. No.	16047	Seq. ID	OJ990917_19.9B01.C19
Gene No.	33925	Strand	+
Start	4980	End	6356
Name	OJ990917_19.9B01.C19.o2.gp	Method	AAT/GAP
Start	5961	End	6356
GI	3760510	Score	738
Exons	5961..6356		

Seq. No.	16047	Seq. ID	OJ990917_19.9B01.C19
Gene No.	33925	Strand	+
Start	4980	End	6356
Name	OJ990917_19.9B01.C19.o4.np	Method	AAT/NAP
Start	6003	End	6356
GI	6358799	Score	91
Exons	6003..6232, 6335..6356		
GI Descrip.	(AC010675) unknown protein [Arabidopsis thaliana]		

Seq. No.	16047	Seq. ID	OJ990917_19.9B01.C19
Gene No.	33926	Strand	-
Start	2633	End	3080
Name	OJ990917_19.9B01.C19.o1.gp	Method	AAT/GAP
Start	2633	End	3080
GI	45844_1.R1084	Score	816
Exons	2633..3080		
GI Descrip.	'5816991/emb\|CAB53646.1\| 1.0e-35 (AL110123) multidrug resistance protein/P-glycoprotein-like [Arabidopsis thaliana]'		

Seq. No.	16047	Seq. ID	OJ990917_19.9B01.C19
Gene No.	33927	Strand	-
Start	3459	End	4834
Name	OJ990917_19.9B01.C19.o3.tm	Method	TBLASTX:Maize
Start	10	End	545
GI	none	Score	109
Exons	10..180, 10..195, 21..203, 51..200, 219..320, 236..331, 323..469, 331..543, 348..536, 349..540, 357..545		

Seq. No.	16047	Seq. ID	OJ990917_19.9B01.C19

Gene No.	33927	Strand	-
Start	3459	End	4834
Name	OJ990917_19.9B01.C19.o4.tm	Method	TBLASTX:Maize
Start	1644	End	2049
GI	none	Score	34
Exons	1644..1703, 1644..1718, 1737..1817, 1743..1808, 1783..1818, 1801..1833, 1868..2035, 1905..2045, 1915..2049, 1948..2049		

Seq. No.	16047	Seq. ID	OJ990917_19.9B01.C19
Gene No.	33927	Strand	-
Start	3459	End	4834
Name	OJ990917_19.9B01.C19.o2.gs	Method	GENSCAN
Start	3459	End	4478
GI	none	Score	.82
Exons	3459..3671, 3690..4478		

Seq. No.	16047	Seq. ID	OJ990917_19.9B01.C19
Gene No.	33927	Strand	-
Start	3459	End	4834
Name	OJ990917_19.9B01.C19.o3.np	Method	AAT/NAP
Start	3459	End	4834
GI	6911873	Score	530
Exons	3459..4371, 4710..4834		
GI Descrip.	(AL138655) putative protein [Arabidopsis thaliana]		

Seq. No.	16047	Seq. ID	OJ990917_19.9B01.C19
Gene No.	33927	Strand	-
Start	3459	End	4834
Name	OJ990917_19.9B01.C19.o2.tm	Method	TBLASTX:Maize
Start	3465	End	4334
GI	none	Score	71
Exons	3465..3536, 3639..3980, 3655..3759, 3987..4166, 3990..4160, 3991..4170, 4257..4304, 4258..4308, 4308..4334		

Seq. No.	16047	Seq. ID	OJ990917_19.9B01.C19
Gene No.	33927	Strand	-
Start	3459	End	4834
Name	OJ990917_19.9B01.C19.o2.ts	Method	TBLASTX:Soybean
Start	3558	End	3857
GI	none	Score	90
Exons	3558..3857, 3598..3846		

Seq. No.	16047	Seq. ID	OJ990917_19.9B01.C19
Gene No.	33927	Strand	-
Start	3459	End	4834
Name	OJ990917_19.9B01.C19.o1.tc	Method	TBLASTX:Cress
Start	3681	End	4361
GI	none	Score	143
Exons	3681..3908, 3942..4157, 3955..4158, 4263..4304, 4314..4361		

Seq. No.	16047	Seq. ID	OJ990917_19.9B01.C19
Gene No.	33927	Strand	-
Start	3459	End	4834
Name	OJ990917_19.9B01.C19.o1.ts	Method	TBLASTX:Soybean
Start	3870	End	4305
GI	none	Score	131
Exons	3870..4160, 3949..4173, 4212..4304, 4231..4305		

Seq. No.	16047	Seq. ID	OJ990917_19.9B01.C19
Gene No.	33928	Strand	
Start	5969	End	6303
Name	OJ990917_19.9B01.C19.o1.tm	Method	TBLASTX:Maize
Start	5969	End	6303
GI	none	Score	468
Exons	5969..6301, 5969..6301, 5977..6303, 6157..6303		

Seq. No.	16048	Seq. ID	OJ990917_19.9B01.C20
Gene No.	33929	Strand	+
Start	1	End	1072
Name	OJ990917_19.9B01.C20.o1.np	Method	AAT/NAP
Start	1	End	1072
GI	5732064	Score	284
Exons	1..659, 708..908, 972..1072		
GI Descrip.	(AF147263) contains similarity to transposases [Arabidopsis thaliana]		

Seq. No.	16048	Seq. ID	OJ990917_19.9B01.C20
Gene No.	33929	Strand	+
Start	1	End	1072
Name	OJ990917_19.9B01.C20.o1.tm	Method	TBLASTX:Maize
Start	4	End	872
GI	none	Score	109
Exons	4..153, 4..165, 244..387, 394..576, 600..638, 604..864, 681..872		

Seq. No.	16048	Seq. ID	OJ990917_19.9B01.C20
Gene No.	33929	Strand	+
Start	1	End	1072
Name	OJ990917_19.9B01.C20.o1.tw	Method	TBLASTX:Wheat
Start	165	End	591
GI	none	Score	226
Exons	165..398, 197..397, 238..408, 490..591, 496..591		

Seq. No.	16048	Seq. ID	OJ990917_19.9B01.C20
Gene No.	33929	Strand	+
Start	1	End	1072
Name	OJ990917_19.9B01.C20.o2.tm	Method	TBLASTX:Maize
Start	903	End	1072
GI	none	Score	173
Exons	903..1070, 904..1071, 904..1062, 905..1072, 906..1070		

Seq. No.	16049	Seq. ID	OJ990917_19.9B01.C23
Gene No.	33930	Strand	+
Start	656	End	801
Name	OJ990917_19.9B01.C23.o1.gs	Method	GENSCAN
Start	656	End	801
GI	none	Score	.83
Exons	656..801		

Seq. No.	16050	Seq. ID	OJ990917_19.9B01.C24
Gene No.	33931	Strand	+
Start	631	End	1700
Name	OJ990917_19.9B01.C24.o1.gp	Method	AAT/GAP
Start	631	End	1669
GI	38467_1.R1084	Score	1389

Exons	631..927, 1219..1669		
GI Descrip.	'5042452/gb\|AAD38289.1\|AC007789_15 4.0e-30 (AC007789) putative ABA induced plasma membrane protein [Oryza sativa]'		

Seq. No.	16050	Seq. ID	OJ990917_19.9B01.C24
Gene No.	33931	Strand	+
Start	631	End	1700
Name	OJ990917_19.9B01.C24.o1.gs	Method	GENSCAN
Start	729	End	1700
GI	none	Score	.89
Exons	729..927, 1219..1700		

Seq. No.	16051	Seq. ID	OJ990917_19.9B01.C25
Gene No.	33932	Strand	-
Start	763	End	899
Name	OJ990917_19.9B01.C25.o1.gs	Method	GENSCAN
Start	763	End	899
GI	none	Score	.82
Exons	763..899		

Seq. No.	16051	Seq. ID	OJ990917_19.9B01.C25
Gene No.	33933	Strand	-
Start	1246	End	1383
Name	OJ990917_19.9B01.C25.o1.gp	Method	AAT/GAP
Start	1246	End	1383
GI	none	Score	211
Exons	1246..1383		

Seq. No.	16052	Seq. ID	OJ990917_19.9B01.C26
Gene No.	33934	Strand	+
Start	355	End	2800
Name	OJ990917_19.9B01.C26.o1.tm	Method	TBLASTX:Maize
Start	334	End	907
GI	none	Score	85
Exons	334..468, 352..432, 387..458, 525..602, 562..603, 617..805, 684..824, 687..806, 803..907, 804..905		

Seq. No.	16052	Seq. ID	OJ990917_19.9B01.C26
Gene No.	33934	Strand	+
Start	355	End	2800
Name	OJ990917_19.9B01.C26.o1.gp	Method	AAT/GAP
Start	355	End	2118
GI	53424_1.R1084	Score	1931
Exons	355..436, 566..602, 683..902, 1075..1233, 1348..1406, 1643..2118		
GI Descrip.	'4455244/emb\|CAB36743.1\| 1.0e-20 (AL035523) MtN3-like protein [Arabidopsis thaliana]'		

Seq. No.	16052	Seq. ID	OJ990917_19.9B01.C26
Gene No.	33934	Strand	+
Start	355	End	2800
Name	OJ990917_19.9B01.C26.o1.gs	Method	GENSCAN
Start	391	End	2800
GI	none	Score	.88
Exons	391..436, 566..602, 683..902, 1075..1182, 1348..1467, 2606..2800		

Seq. No.	16052	Seq. ID	OJ990917_19.9B01.C26
Gene No.	33934	Strand	+

Start	355	End	2800
Name	OJ990917_19.9B01.C26.o1.ts	Method	TBLASTX:Soybean
Start	420	End	1820
GI	none	Score	37
Exons	420..437, 562..603, 686..907, 687..932, 1072..1233, 1351..1470, 1371..1469, 1594..1632, 1595..1666, 1794..1820		

Seq. No.	16052	Seq. ID	OJ990917_19.9B01.C26
Gene No.	33934	Strand	+
Start	355	End	2800
Name	OJ990917_19.9B01.C26.o1.np	Method	AAT/NAP
Start	666	End	2646
GI	4539359	Score	208
Exons	666..905, 1081..1246, 1352..1467, 1592..1669, 2539..2646		
GI Descrip.	(AL049525) putative protein [Arabidopsis thaliana]		

Seq. No.	16052	Seq. ID	OJ990917_19.9B01.C26
Gene No.	33934	Strand	+
Start	355	End	2800
Name	OJ990917_19.9B01.C26.o1.tc	Method	TBLASTX:Cress
Start	683	End	935
GI	none	Score	227
Exons	683..919, 687..935, 690..932		

Seq. No.	16052	Seq. ID	OJ990917_19.9B01.C26
Gene No.	33934	Strand	+
Start	355	End	2800
Name	OJ990917_19.9B01.C26.o2.tc	Method	TBLASTX:Cress
Start	1072	End	1696
GI	none	Score	100
Exons	1072..1233, 1351..1467, 1353..1460, 1594..1686, 1595..1696		

Seq. No.	16052	Seq. ID	OJ990917_19.9B01.C26
Gene No.	33934	Strand	+
Start	355	End	2800
Name	OJ990917_19.9B01.C26.o2.tm	Method	TBLASTX:Maize
Start	1395	End	1695
GI	none	Score	114
Exons	1395..1463, 1396..1467, 1589..1693, 1590..1691, 1594..1695, 1595..1693		

Seq. No.	16053	Seq. ID	OJ990917_19.9B01.C27
Gene No.	33935	Strand	+
Start	248	End	2467
Name	OJ990917_19.9B01.C27.o1.np	Method	AAT/NAP
Start	248	End	2467
GI	2244793	Score	496
Exons	248..345, 621..707, 866..1003, 1723..2019, 2071..2467		
GI Descrip.	(Z97336) disease resistance N like protein [Arabidopsis thaliana]		

Seq. No.	16053	Seq. ID	OJ990917_19.9B01.C27
Gene No.	33935	Strand	+
Start	248	End	2467
Name	OJ990917_19.9B01.C27.o1.gs	Method	GENSCAN
Start	259	End	2131
GI	none	Score	.6

Exons	259..345, 434..523, 866..982, 1050..1133, 1690..2131		
Seq. No.	16053	Seq. ID	OJ990917_19.9B01.C27
Gene No.	33935	Strand	+
Start	248	End	2467
Name	OJ990917_19.9B01.C27.o1.ts	Method	TBLASTX:Soybean
Start	288	End	2187
GI	none	Score	52
Exons	288..341, 298..342, 433..516, 434..523, 442..525, 621..710, 638..706, 866..928, 1905..1961, 1918..1962, 1981..2187, 2016..2129		
Seq. No.	16053	Seq. ID	OJ990917_19.9B01.C27
Gene No.	33935	Strand	+
Start	248	End	2467
Name	OJ990917_19.9B01.C27.o1.tc	Method	TBLASTX:Cress
Start	1995	End	2187
GI	none	Score	198
Exons	1995..2117, 2011..2187		
Seq. No.	16053	Seq. ID	OJ990917_19.9B01.C27
Gene No.	33935	Strand	+
Start	248	End	2467
Name	OJ990917_19.9B01.C27.o1.tm	Method	TBLASTX:Maize
Start	1995	End	2187
GI	none	Score	229
Exons	1995..2129, 1996..2187, 2011..2178, 2017..2136		
Seq. No.	16054	Seq. ID	OJ990917_19.9B01.C29
Gene No.	33936	Strand	-
Start	671	End	1898
Name	OJ990917_19.9B01.C29.o1.gs	Method	GENSCAN
Start	671	End	1836
GI	none	Score	.63
Exons	671..761, 1109..1243, 1611..1684, 1790..1836		
Seq. No.	16054	Seq. ID	OJ990917_19.9B01.C29
Gene No.	33936	Strand	-
Start	671	End	1898
Name	OJ990917_19.9B01.C29.o1.np	Method	AAT/NAP
Start	955	End	1898
GI	5042452	Score	75
Exons	955..1003, 1611..1731, 1786..1898		
GI Descrip.	(AC007789) putative ABA induced plasma membrane protein [Oryza sativa]		
Seq. No.	16054	Seq. ID	OJ990917_19.9B01.C29
Gene No.	33936	Strand	-
Start	671	End	1898
Name	OJ990917_19.9B01.C29.o1.gp	Method	AAT/GAP
Start	1475	End	1836
GI	5038579	Score	419
Exons	1475..1684, 1790..1836		
GI Descrip.	5042452/gb\|AAD38289.1\|AC007789_15 4.0e-30 (AC007789) putative ABA induced plasma membrane protein [Oryza sativa]		
Seq. No.	16055	Seq. ID	OJ990917_19.9B01.C30

Gene No.	33937	Strand	-
Start	1	End	362
Name	OJ990917_19.9B01.C30.o1.np	Method	AAT/NAP
Start	1	End	252
GI	5042452	Score	94
Exons	1..77, 114..252		
GI Descrip.	(AC007789) putative ABA induced plasma membrane protein [Oryza sativa]		

Seq. No.	16055	Seq. ID	OJ990917_19.9B01.C30
Gene No.	33937	Strand	-
Start	1	End	362
Name	OJ990917_19.9B01.C30.o1.gp	Method	AAT/GAP
Start	127	End	362
GI	5038579	Score	446
Exons	127..362		
GI Descrip.	5042452/gb\|AAD38289.1\|AC007789_15 4.0e-30 (AC007789) putative ABA induced plasma membrane protein [Oryza sativa]		

Seq. No.	16055	Seq. ID	OJ990917_19.9B01.C30
Gene No.	33937	Strand	-
Start	1	End	362
Name	OJ990917_19.9B01.C30.o1.tm	Method	TBLASTX:Maize
Start	127	End	259
GI	none	Score	180
Exons	127..258, 128..259, 209..259		

Seq. No.	16056	Seq. ID	OJ990917_19.9B01.C31
Gene No.	33938	Strand	+
Start	1	End	1032
Name	OJ990917_19.9B01.C31.o1.np	Method	AAT/NAP
Start	1	End	931
GI	3298539	Score	471
Exons	1..931		
GI Descrip.	(AC004681) putative protein kinase [Arabidopsis thaliana]		

Seq. No.	16056	Seq. ID	OJ990917_19.9B01.C31
Gene No.	33938	Strand	+
Start	1	End	1032
Name	OJ990917_19.9B01.C31.o1.tc	Method	TBLASTX:Cress
Start	40	End	573
GI	none	Score	42
Exons	40..96, 163..288, 180..272, 285..320, 286..573, 342..569		

Seq. No.	16056	Seq. ID	OJ990917_19.9B01.C31
Gene No.	33938	Strand	+
Start	1	End	1032
Name	OJ990917_19.9B01.C31.o1.gs	Method	GENSCAN
Start	82	End	1032
GI	none	Score	.8
Exons	82..1032		

Seq. No.	16056	Seq. ID	OJ990917_19.9B01.C31
Gene No.	33938	Strand	+
Start	1	End	1032
Name	OJ990917_19.9B01.C31.o1.tm	Method	TBLASTX:Maize
Start	82	End	504

GI	none	Score	189
Exons	82..261, 88..261, 162..272, 247..279, 264..437, 265..405, 363..419, 405..503, 406..504		

Seq. No.	16056	Seq. ID	OJ990917_19.9B01.C31
Gene No.	33938	Strand	+
Start	1	End	1032
Name	OJ990917_19.9B01.C31.o1.ts	Method	TBLASTX:Soybean
Start	97	End	588
GI	none	Score	98
Exons	97..270, 165..281, 286..315, 345..419, 346..420, 424..588, 438..566		

Seq. No.	16056	Seq. ID	OJ990917_19.9B01.C31
Gene No.	33938	Strand	+
Start	1	End	1032
Name	OJ990917_19.9B01.C31.o2.tm	Method	TBLASTX:Maize
Start	529	End	840
GI	none	Score	62
Exons	529..579, 531..575, 617..676, 620..676, 622..678, 664..840, 664..792		

Seq. No.	16057	Seq. ID	OJ990917_19.9B01.C32
Gene No.	33939	Strand	-
Start	80	End	222
Name	OJ990917_19.9B01.C32.o1.gs	Method	GENSCAN
Start	80	End	222
GI	none	Score	.95
Exons	80..222		

Seq. No.	16058	Seq. ID	OJ990927_16.9B17.C1
Gene No.	33940	Strand	-
Start	122	End	231
Name	OJ990927_16.9B17.C1.o1.gs	Method	GENSCAN
Start	122	End	231
GI	none	Score	.51
Exons	122..231		

Seq. No.	16059	Seq. ID	OJ990927_16.9B17.C5
Gene No.	33941	Strand	+
Start	1	End	680
Name	OJ990927_16.9B17.C5.o1.np	Method	AAT/NAP
Start	1	End	680
GI	5902448	Score	1170
Exons	1..680		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	16059	Seq. ID	OJ990927_16.9B17.C5
Gene No.	33941	Strand	+
Start	1	End	680
Name	OJ990927_16.9B17.C5.o1.tw	Method	TBLASTX:Wheat
Start	8	End	277
GI	none	Score	190
Exons	8..277, 172..240		

Seq. No.	16059	Seq. ID	OJ990927_16.9B17.C5
Gene No.	33941	Strand	+

Start	1	End	680
Name	OJ990927_16.9B17.C5.o1.gs	Method	GENSCAN
Start	147	End	663
GI	none	Score	.58
Exons	147..258, 332..396, 417..663		

Seq. No.	16060	Seq. ID	OJ990927_16.9B17.C6
Gene No.	33942	Strand	+
Start	16	End	477
Name	OJ990927_16.9B17.C6.o1.gs	Method	GENSCAN
Start	16	End	477
GI	none	Score	.99
Exons	16..477		

Seq. No.	16060	Seq. ID	OJ990927_16.9B17.C6
Gene No.	33942	Strand	+
Start	16	End	477
Name	OJ990927_16.9B17.C6.o1.np	Method	AAT/NAP
Start	16	End	474
GI	5902446	Score	693
Exons	16..474		
GI Descrip.	(AB030283) orf5 [Oryza sativa]		

Seq. No.	16061	Seq. ID	OJ990927_16.9B17.C7
Gene No.	33943	Strand	+
Start	3956	End	4264
Name	OJ990927_16.9B17.C7.o1.gp	Method	AAT/GAP
Start	3956	End	4264
GI	5816559	Score	471
Exons	3956..4264		
GI Descrip.	4680178/gb\|AF111709.1\|AF111709 1.0e-108 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	16061	Seq. ID	OJ990927_16.9B17.C7
Gene No.	33944	Strand	+
Start	5849	End	6035
Name	OJ990927_16.9B17.C7.o2.gs	Method	GENSCAN
Start	5849	End	6035
GI	none	Score	.84
Exons	5849..5888, 5944..6035		

Seq. No.	16061	Seq. ID	OJ990927_16.9B17.C7
Gene No.	33945	Strand	-
Start	23	End	3829
Name	OJ990927_16.9B17.C7.o2.tm	Method	TBLASTX:Maize
Start	2	End	374
GI	none	Score	91
Exons	2..151, 119..271, 124..282, 279..374		

Seq. No.	16061	Seq. ID	OJ990927_16.9B17.C7
Gene No.	33945	Strand	-
Start	23	End	3829
Name	OJ990927_16.9B17.C7.o1.np	Method	AAT/NAP
Start	23	End	3829
GI	4680183	Score	4693
Exons	23..140, 324..739, 827..869, 1365..3829		

GI Descrip. (AF111709) gag-pol protein [Oryza sativa subsp. indica]

Seq. No.	16061	Seq. ID	OJ990927_16.9B17.C7
Gene No.	33945	Strand	-
Start	23	End	3829
Name	OJ990927_16.9B17.C7.o2.tw	Method	TBLASTX:Wheat
Start	124	End	533
GI	none	Score	88
Exons	124..276, 128..277, 282..533, 291..521, 292..531		

Seq. No.	16061	Seq. ID	OJ990927_16.9B17.C7
Gene No.	33945	Strand	-
Start	23	End	3829
Name	OJ990927_16.9B17.C7.o1.gs	Method	GENSCAN
Start	270	End	3829
GI	none	Score	.59
Exons	270..896, 1032..3641, 3683..3829		

Seq. No.	16061	Seq. ID	OJ990927_16.9B17.C7
Gene No.	33945	Strand	-
Start	23	End	3829
Name	OJ990927_16.9B17.C7.o1.tm	Method	TBLASTX:Maize
Start	402	End	758
GI	none	Score	93
Exons	402..695, 402..758, 412..717		

Seq. No.	16061	Seq. ID	OJ990927_16.9B17.C7
Gene No.	33945	Strand	-
Start	23	End	3829
Name	OJ990927_16.9B17.C7.o1.ts	Method	TBLASTX:Soybean
Start	483	End	848
GI	none	Score	138
Exons	483..617, 624..848		

Seq. No.	16061	Seq. ID	OJ990927_16.9B17.C7
Gene No.	33945	Strand	-
Start	23	End	3829
Name	OJ990927_16.9B17.C7.o4.tw	Method	TBLASTX:Wheat
Start	533	End	767
GI	none	Score	125
Exons	533..697, 534..746, 534..767, 535..747		

Seq. No.	16061	Seq. ID	OJ990927_16.9B17.C7
Gene No.	33945	Strand	-
Start	23	End	3829
Name	OJ990927_16.9B17.C7.o1.tw	Method	TBLASTX:Wheat
Start	768	End	1565
GI	none	Score	119
Exons	768..1061, 772..996, 1108..1344, 1110..1340, 1389..1502, 1389..1565		

Seq. No.	16061	Seq. ID	OJ990927_16.9B17.C7
Gene No.	33945	Strand	-
Start	23	End	3829
Name	OJ990927_16.9B17.C7.o3.tm	Method	TBLASTX:Maize
Start	1110	End	1257
GI	none	Score	127

Exons	1110..1256, 1111..1257		
Seq. No.	16061	Seq. ID	OJ990927_16.9B17.C7
Gene No.	33945	Strand	-
Start	23	End	3829
Name	OJ990927_16.9B17.C7.o3.tw	Method	TBLASTX:Wheat
Start	2139	End	2541
GI	none	Score	130
Exons	2139..2540, 2233..2541		
Seq. No.	16062	Seq. ID	OJ990927_16.9B17.C9
Gene No.	33946	Strand	+
Start	31	End	1231
Name	OJ990927_16.9B17.C9.o1.gs	Method	GENSCAN
Start	31	End	1231
GI	none	Score	.74
Exons	31..74, 571..1231		
Seq. No.	16063	Seq. ID	OJ990927_16.9B17.C10
Gene No.	33947	Strand	+
Start	1	End	3007
Name	OJ990927_16.9B17.C10.o3.np	Method	AAT/NAP
Start	1	End	3007
GI	4680183	Score	183
Exons	1..96, 932..1029, 2243..2313, 2918..3007		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		
Seq. No.	16063	Seq. ID	OJ990927_16.9B17.C10
Gene No.	33948	Strand	-
Start	1	End	1757
Name	OJ990927_16.9B17.C10.o1.np	Method	AAT/NAP
Start	1	End	401
GI	4680179	Score	659
Exons	1..401		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	16063	Seq. ID	OJ990927_16.9B17.C10
Gene No.	33948	Strand	-
Start	1	End	1757
Name	OJ990927_16.9B17.C10.o1.gs	Method	GENSCAN
Start	12	End	1757
GI	none	Score	.63
Exons	12..401, 789..925, 969..1542, 1746..1757		
Seq. No.	16063	Seq. ID	OJ990927_16.9B17.C10
Gene No.	33948	Strand	-
Start	1	End	1757
Name	OJ990927_16.9B17.C10.o2.np	Method	AAT/NAP
Start	658	End	1476
GI	5042448	Score	1142
Exons	658..1476		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		
Seq. No.	16063	Seq. ID	OJ990927_16.9B17.C10
Gene No.	33949	Strand	-
Start	3707	End	5059

Name	OJ990927_16.9B17.C10.o4.np	Method	AAT/NAP
Start	3707	End	5059
GI	1947160	Score	148
Exons	3707..4166, 4350..4661, 4942..5059		
GI Descrip.	(AF000298) weak similarity to collagens; glycine- and proline-rich [Caenorhabditis elegans]		

Seq. No.	16063	Seq. ID	OJ990927_16.9B17.C10
Gene No.	33950	Strand	-
Start	5992	End	7110
Name	OJ990927_16.9B17.C10.o3.ts	Method	TBLASTX:Soybean
Start	5808	End	6029
GI	none	Score	132
Exons	5808..6029, 5816..6022		

Seq. No.	16063	Seq. ID	OJ990927_16.9B17.C10
Gene No.	33950	Strand	-
Start	5992	End	7110
Name	OJ990927_16.9B17.C10.o3.gs	Method	GENSCAN
Start	5992	End	7110
GI	none	Score	.98
Exons	5992..7110		

Seq. No.	16063	Seq. ID	OJ990927_16.9B17.C10
Gene No.	33950	Strand	-
Start	5992	End	7110
Name	OJ990927_16.9B17.C10.o2.tw	Method	TBLASTX:Wheat
Start	6238	End	6652
GI	none	Score	54
Exons	6238..6651, 6581..6652		

Seq. No.	16063	Seq. ID	OJ990927_16.9B17.C10
Gene No.	33950	Strand	-
Start	5992	End	7110
Name	OJ990927_16.9B17.C10.o2.ts	Method	TBLASTX:Soybean
Start	6409	End	6807
GI	none	Score	98
Exons	6409..6807, 6587..6703		

Seq. No.	16063	Seq. ID	OJ990927_16.9B17.C10
Gene No.	33950	Strand	-
Start	5992	End	7110
Name	OJ990927_16.9B17.C10.o1.tm	Method	TBLASTX:Maize
Start	6640	End	6972
GI	none	Score	216
Exons	6640..6972		

Seq. No.	16063	Seq. ID	OJ990927_16.9B17.C10
Gene No.	33951	Strand	
Start	7227	End	7670
Name	OJ990927_16.9B17.C10.o1.tw	Method	TBLASTX:Wheat
Start	7227	End	7625
GI	none	Score	79
Exons	7227..7496, 7527..7625		

Seq. No.	16063	Seq. ID	OJ990927_16.9B17.C10
Gene No.	33951	Strand	

Start	7227	End	7670
Name	OJ990927_16.9B17.C10.o1.ts	Method	TBLASTX:Soybean
Start	7260	End	7670
GI	none	Score	87
Exons	7260..7511, 7345..7512, 7519..7668, 7533..7670		

Seq. No.	16064	Seq. ID	OJ990927_16.9B17.C11
Gene No.	33952	Strand	-
Start	167	End	3938
Name	OJ990927_16.9B17.C11.o1.gs	Method	GENSCAN
Start	167	End	3852
GI	none	Score	.91
Exons	167..2368, 2397..2993, 3196..3299, 3537..3852		

Seq. No.	16064	Seq. ID	OJ990927_16.9B17.C11
Gene No.	33952	Strand	-
Start	167	End	3938
Name	OJ990927_16.9B17.C11.o1.np	Method	AAT/NAP
Start	170	End	3938
GI	4680179	Score	6425
Exons	170..3938		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	16064	Seq. ID	OJ990927_16.9B17.C11
Gene No.	33952	Strand	-
Start	167	End	3938
Name	OJ990927_16.9B17.C11.o5.tw	Method	TBLASTX:Wheat
Start	180	End	548
GI	none	Score	35
Exons	180..233, 215..547, 236..397, 339..455, 440..520, 495..548		

Seq. No.	16064	Seq. ID	OJ990927_16.9B17.C11
Gene No.	33952	Strand	-
Start	167	End	3938
Name	OJ990927_16.9B17.C11.o6.tm	Method	TBLASTX:Maize
Start	194	End	391
GI	none	Score	197
Exons	194..391		

Seq. No.	16064	Seq. ID	OJ990927_16.9B17.C11
Gene No.	33952	Strand	-
Start	167	End	3938
Name	OJ990927_16.9B17.C11.o1.tm	Method	TBLASTX:Maize
Start	395	End	994
GI	none	Score	250
Exons	395..835, 408..833, 833..994, 840..986		

Seq. No.	16064	Seq. ID	OJ990927_16.9B17.C11
Gene No.	33952	Strand	-
Start	167	End	3938
Name	OJ990927_16.9B17.C11.o1.tw	Method	TBLASTX:Wheat
Start	548	End	1174
GI	none	Score	347
Exons	548..1174, 549..1172		

Seq. No.	16064	Seq. ID	OJ990927_16.9B17.C11
Gene No.	33952	Strand	-

Start	167	End	3938
Name	OJ990927_16.9B17.C11.o3.tm	Method	TBLASTX:Maize
Start	1043	End	1334
GI	none	Score	254
Exons	1043..1333, 1047..1334		

Seq. No.	16064	Seq. ID	OJ990927_16.9B17.C11
Gene No.	33952	Strand	-
Start	167	End	3938
Name	OJ990927_16.9B17.C11.o1.ts	Method	TBLASTX:Soybean
Start	1133	End	1393
GI	none	Score	150
Exons	1133..1393, 1134..1388		

Seq. No.	16064	Seq. ID	OJ990927_16.9B17.C11
Gene No.	33952	Strand	-
Start	167	End	3938
Name	OJ990927_16.9B17.C11.o1.tc	Method	TBLASTX:Cress
Start	1157	End	1474
GI	none	Score	90
Exons	1157..1300, 1158..1298, 1301..1474		

Seq. No.	16064	Seq. ID	OJ990927_16.9B17.C11
Gene No.	33952	Strand	-
Start	167	End	3938
Name	OJ990927_16.9B17.C11.o3.tw	Method	TBLASTX:Wheat
Start	1181	End	1660
GI	none	Score	305
Exons	1181..1660, 1182..1589, 1214..1627		

Seq. No.	16064	Seq. ID	OJ990927_16.9B17.C11
Gene No.	33952	Strand	-
Start	167	End	3938
Name	OJ990927_16.9B17.C11.o2.tw	Method	TBLASTX:Wheat
Start	1664	End	2173
GI	none	Score	252
Exons	1664..2173, 1748..2095, 1830..2141		

Seq. No.	16064	Seq. ID	OJ990927_16.9B17.C11
Gene No.	33952	Strand	-
Start	167	End	3938
Name	OJ990927_16.9B17.C11.o2.tm	Method	TBLASTX:Maize
Start	1736	End	2101
GI	none	Score	154
Exons	1736..2047, 1748..2101, 1833..2099		

Seq. No.	16064	Seq. ID	OJ990927_16.9B17.C11
Gene No.	33952	Strand	-
Start	167	End	3938
Name	OJ990927_16.9B17.C11.o3.ts	Method	TBLASTX:Soybean
Start	1922	End	2161
GI	none	Score	202
Exons	1922..2161		

Seq. No.	16064	Seq. ID	OJ990927_16.9B17.C11
Gene No.	33952	Strand	-
Start	167	End	3938

Name	OJ990927_16.9B17.C11.o5.tm	Method	TBLASTX:Maize
Start	2102	End	2456
GI	none	Score	118
Exons	2102..2374, 2103..2363, 2352..2456		

Seq. No.	16064	Seq. ID	OJ990927_16.9B17.C11
Gene No.	33952	Strand	-
Start	167	End	3938
Name	OJ990927_16.9B17.C11.o7.tw	Method	TBLASTX:Wheat
Start	2174	End	2477
GI	none	Score	153
Exons	2174..2401, 2175..2363, 2361..2477, 2362..2457, 2376..2477		

Seq. No.	16064	Seq. ID	OJ990927_16.9B17.C11
Gene No.	33952	Strand	-
Start	167	End	3938
Name	OJ990927_16.9B17.C11.o2.ts	Method	TBLASTX:Soybean
Start	2189	End	2585
GI	none	Score	119
Exons	2189..2398, 2190..2363, 2361..2549, 2406..2549, 2541..2585, 2553..2585		

Seq. No.	16064	Seq. ID	OJ990927_16.9B17.C11
Gene No.	33952	Strand	-
Start	167	End	3938
Name	OJ990927_16.9B17.C11.o4.tm	Method	TBLASTX:Maize
Start	2472	End	2939
GI	none	Score	63
Exons	2472..2939, 2505..2618, 2569..2868		

Seq. No.	16064	Seq. ID	OJ990927_16.9B17.C11
Gene No.	33952	Strand	-
Start	167	End	3938
Name	OJ990927_16.9B17.C11.o4.tw	Method	TBLASTX:Wheat
Start	2526	End	3009
GI	none	Score	157
Exons	2526..2948, 2535..2879, 2569..2904, 2944..3009		

Seq. No.	16064	Seq. ID	OJ990927_16.9B17.C11
Gene No.	33952	Strand	-
Start	167	End	3938
Name	OJ990927_16.9B17.C11.o4.ts	Method	TBLASTX:Soybean
Start	2658	End	2939
GI	none	Score	182
Exons	2658..2939		

Seq. No.	16064	Seq. ID	OJ990927_16.9B17.C11
Gene No.	33952	Strand	-
Start	167	End	3938
Name	OJ990927_16.9B17.C11.o6.tw	Method	TBLASTX:Wheat
Start	3166	End	3588
GI	none	Score	109
Exons	3166..3357, 3173..3328, 3239..3379, 3379..3588, 3440..3538		

Seq. No.	16064	Seq. ID	OJ990927_16.9B17.C11
Gene No.	33952	Strand	-
Start	167	End	3938

Name	OJ990927_16.9B17.C11.o7.tm	Method	TBLASTX:Maize
Start	3271	End	3591
GI	none	Score	68
Exons	3271..3591, 3446..3538		

Seq. No.	16065	Seq. ID	OJ990927_16.9B17.C13
Gene No.	33953	Strand	+
Start	1	End	1829
Name	OJ990927_16.9B17.C13.o1.np	Method	AAT/NAP
Start	1	End	1829
GI	4680179	Score	2586
Exons	1..1829		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	16065	Seq. ID	OJ990927_16.9B17.C13
Gene No.	33953	Strand	+
Start	1	End	1829
Name	OJ990927_16.9B17.C13.o1.gs	Method	GENSCAN
Start	45	End	1756
GI	none	Score	.64
Exons	45..325, 537..1756		

Seq. No.	16065	Seq. ID	OJ990927_16.9B17.C13
Gene No.	33953	Strand	+
Start	1	End	1829
Name	OJ990927_16.9B17.C13.o2.tw	Method	TBLASTX:Wheat
Start	238	End	728
GI	none	Score	87
Exons	238..327, 242..328, 328..423, 345..413, 464..685, 465..728		

Seq. No.	16065	Seq. ID	OJ990927_16.9B17.C13
Gene No.	33953	Strand	+
Start	1	End	1829
Name	OJ990927_16.9B17.C13.o2.tm	Method	TBLASTX:Maize
Start	331	End	782
GI	none	Score	66
Exons	331..420, 465..782, 474..749		

Seq. No.	16065	Seq. ID	OJ990927_16.9B17.C13
Gene No.	33953	Strand	+
Start	1	End	1829
Name	OJ990927_16.9B17.C13.o1.ts	Method	TBLASTX:Soybean
Start	669	End	1073
GI	none	Score	57
Exons	669..701, 669..701, 705..1064, 708..1073, 712..1065		

Seq. No.	16065	Seq. ID	OJ990927_16.9B17.C13
Gene No.	33953	Strand	+
Start	1	End	1829
Name	OJ990927_16.9B17.C13.o3.tw	Method	TBLASTX:Wheat
Start	777	End	1079
GI	none	Score	397
Exons	777..1079, 815..1078		

Seq. No.	16065	Seq. ID	OJ990927_16.9B17.C13
Gene No.	33953	Strand	+
Start	1	End	1829

Name	OJ990927_16.9B17.C13.o3.tm	Method	TBLASTX:Maize
Start	783	End	946
GI	none	Score	191
Exons	783..944, 783..944, 784..945, 788..946		

Seq. No.	16065	Seq. ID	OJ990927_16.9B17.C13
Gene No.	33953	Strand	+
Start	1	End	1829
Name	OJ990927_16.9B17.C13.o1.tm	Method	TBLASTX:Maize
Start	951	End	1391
GI	none	Score	426
Exons	951..1391, 965..1330, 984..1379		

Seq. No.	16065	Seq. ID	OJ990927_16.9B17.C13
Gene No.	33953	Strand	+
Start	1	End	1829
Name	OJ990927_16.9B17.C13.o1.tw	Method	TBLASTX:Wheat
Start	1080	End	1589
GI	none	Score	577
Exons	1080..1589, 1112..1498		

Seq. No.	16065	Seq. ID	OJ990927_16.9B17.C13
Gene No.	33953	Strand	+
Start	1	End	1829
Name	OJ990927_16.9B17.C13.o2.ts	Method	TBLASTX:Soybean
Start	1089	End	1331
GI	none	Score	194
Exons	1089..1331		

Seq. No.	16065	Seq. ID	OJ990927_16.9B17.C13
Gene No.	33953	Strand	+
Start	1	End	1829
Name	OJ990927_16.9B17.C13.o4.tw	Method	TBLASTX:Wheat
Start	1593	End	1796
GI	none	Score	175
Exons	1593..1796, 1611..1772		

Seq. No.	16066	Seq. ID	OJ990927_16.9B17.C14
Gene No.	33954	Strand	+
Start	1	End	1668
Name	OJ990927_16.9B17.C14.o1.np	Method	AAT/NAP
Start	1	End	1668
GI	4680179	Score	2595
Exons	1..1668		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	16066	Seq. ID	OJ990927_16.9B17.C14
Gene No.	33955	Strand	+
Start	8887	End	10336
Name	OJ990927_16.9B17.C14.o3.np	Method	AAT/NAP
Start	8887	End	10336
GI	5852181	Score	127
Exons	8887..9069, 10310..10336		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	16066	Seq. ID	OJ990927_16.9B17.C14
Gene No.	33956	Strand	-

Start	1936	End	9396
Name	OJ990927_16.9B17.C14.o4.tw	Method	TBLASTX:Wheat
Start	1	End	117
GI	none	Score	183
Exons	1..117, 6..110		

Seq. No.	16066	Seq. ID	OJ990927_16.9B17.C14
Gene No.	33956	Strand	-
Start	1936	End	9396
Name	OJ990927_16.9B17.C14.o2.tw	Method	TBLASTX:Wheat
Start	157	End	684
GI	none	Score	560
Exons	157..684, 159..377, 238..651, 410..679, 429..683		

Seq. No.	16066	Seq. ID	OJ990927_16.9B17.C14
Gene No.	33956	Strand	-
Start	1936	End	9396
Name	OJ990927_16.9B17.C14.o1.ts	Method	TBLASTX:Soybean
Start	472	End	732
GI	none	Score	284
Exons	472..732, 477..731		

Seq. No.	16066	Seq. ID	OJ990927_16.9B17.C14
Gene No.	33956	Strand	-
Start	1936	End	9396
Name	OJ990927_16.9B17.C14.o2.tm	Method	TBLASTX:Maize
Start	530	End	822
GI	none	Score	122
Exons	530..817, 531..818, 532..822		

Seq. No.	16066	Seq. ID	OJ990927_16.9B17.C14
Gene No.	33956	Strand	-
Start	1936	End	9396
Name	OJ990927_16.9B17.C14.o1.tw	Method	TBLASTX:Wheat
Start	691	End	1307
GI	none	Score	156
Exons	691..843, 696..839, 841..1116, 843..1307, 854..1306		

Seq. No.	16066	Seq. ID	OJ990927_16.9B17.C14
Gene No.	33956	Strand	-
Start	1936	End	9396
Name	OJ990927_16.9B17.C14.o1.tm	Method	TBLASTX:Maize
Start	861	End	1448
GI	none	Score	202
Exons	861..1022, 869..1015, 1019..1447, 1020..1448		

Seq. No.	16066	Seq. ID	OJ990927_16.9B17.C14
Gene No.	33956	Strand	-
Start	1936	End	9396
Name	OJ990927_16.9B17.C14.o3.tw	Method	TBLASTX:Wheat
Start	1307	End	1623
GI	none	Score	181
Exons	1307..1444, 1308..1445, 1459..1623		

Seq. No.	16066	Seq. ID	OJ990927_16.9B17.C14
Gene No.	33956	Strand	-
Start	1936	End	9396

Name	OJ990927_16.9B17.C14.o3.tm	Method	TBLASTX:Maize
Start	1459	End	1677
GI	none	Score	187
Exons	1459..1644, 1645..1677		

Seq. No.	16066	Seq. ID	OJ990927_16.9B17.C14
Gene No.	33956	Strand	-
Start	1936	End	9396
Name	OJ990927_16.9B17.C14.o2.np	Method	AAT/NAP
Start	1936	End	8003
GI	5295955	Score	563
Exons	1936..2611, 2692..2981, 5417..5480, 6507..6576, 7254..7368, 7911..8003		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	16066	Seq. ID	OJ990927_16.9B17.C14
Gene No.	33956	Strand	-
Start	1936	End	9396
Name	OJ990927_16.9B17.C14.o2.gs	Method	GENSCAN
Start	6064	End	9396
GI	none	Score	.45
Exons	6064..6284, 6314..6571, 7245..7368, 7843..7980, 9376..9396		

Seq. No.	16067	Seq. ID	OJ990927_16.9B17.C15
Gene No.	33957	Strand	+
Start	916	End	1077
Name	OJ990927_16.9B17.C15.o1.np	Method	AAT/NAP
Start	916	End	1077
GI	5042447	Score	130
Exons	916..1077		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	16067	Seq. ID	OJ990927_16.9B17.C15
Gene No.	33957	Strand	+
Start	916	End	1077
Name	OJ990927_16.9B17.C15.o1.gs	Method	GENSCAN
Start	919	End	1050
GI	none	Score	.99
Exons	919..1050		

Seq. No.	16068	Seq. ID	OJ990927_16.9B17.C16
Gene No.	33958	Strand	-
Start	247	End	1361
Name	OJ990927_16.9B17.C16.o3.tm	Method	TBLASTX:Maize
Start	242	End	486
GI	none	Score	41
Exons	242..304, 274..486, 365..454		

Seq. No.	16068	Seq. ID	OJ990927_16.9B17.C16
Gene No.	33958	Strand	-
Start	247	End	1361
Name	OJ990927_16.9B17.C16.o1.gs	Method	GENSCAN
Start	247	End	1341
GI	none	Score	.95
Exons	247..1341		

Seq. No.	16068	Seq. ID	OJ990927_16.9B17.C16
Gene No.	33958	Strand	-
Start	247	End	1361
Name	OJ990927_16.9B17.C16.o1.np	Method	AAT/NAP
Start	250	End	1361
GI	4680179	Score	1822
Exons	250..1361		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	16068	Seq. ID	OJ990927_16.9B17.C16
Gene No.	33958	Strand	-
Start	247	End	1361
Name	OJ990927_16.9B17.C16.o2.tw	Method	TBLASTX:Wheat
Start	295	End	628
GI	none	Score	109
Exons	295..627, 359..628		

Seq. No.	16068	Seq. ID	OJ990927_16.9B17.C16
Gene No.	33958	Strand	-
Start	247	End	1361
Name	OJ990927_16.9B17.C16.o1.tm	Method	TBLASTX:Maize
Start	487	End	1074
GI	none	Score	182
Exons	487..756, 488..748, 503..799, 817..915, 818..913, 847..915, 913..1074, 920..1066		

Seq. No.	16068	Seq. ID	OJ990927_16.9B17.C16
Gene No.	33958	Strand	-
Start	247	End	1361
Name	OJ990927_16.9B17.C16.o1.tw	Method	TBLASTX:Wheat
Start	628	End	1254
GI	none	Score	379
Exons	628..1254, 629..1198		

Seq. No.	16068	Seq. ID	OJ990927_16.9B17.C16
Gene No.	33958	Strand	-
Start	247	End	1361
Name	OJ990927_16.9B17.C16.o2.tm	Method	TBLASTX:Maize
Start	1075	End	1296
GI	none	Score	171
Exons	1075..1296, 1076..1285		

Seq. No.	16069	Seq. ID	OJ990927_16.9B17.C18
Gene No.	33959	Strand	-
Start	1	End	244
Name	OJ990927_16.9B17.C18.o1.np	Method	AAT/NAP
Start	1	End	244
GI	4680180	Score	410
Exons	1..244		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	16069	Seq. ID	OJ990927_16.9B17.C18
Gene No.	33959	Strand	-
Start	1	End	244
Name	OJ990927_16.9B17.C18.o1.tw	Method	TBLASTX:Wheat
Start	1	End	243
GI	none	Score	107

Exons	1..243, 110..241		
Seq. No.	16069	Seq. ID	OJ990927_16.9B17.C18
Gene No.	33959	Strand	-
Start	1	End	244
Name	OJ990927_16.9B17.C18.o1.tm	Method	TBLASTX:Maize
Start	7	End	243
GI	none	Score	172
Exons	7..243		
Seq. No.	16069	Seq. ID	OJ990927_16.9B17.C18
Gene No.	33959	Strand	-
Start	1	End	244
Name	OJ990927_16.9B17.C18.o1.gs	Method	GENSCAN
Start	94	End	197
GI	none	Score	.99
Exons	94..197		
Seq. No.	16070	Seq. ID	OJ990927_16.9B17.C19
Gene No.	33960	Strand	+
Start	1	End	672
Name	OJ990927_16.9B17.C19.o1.np	Method	AAT/NAP
Start	1	End	672
GI	5852181	Score	124
Exons	1..70, 388..672		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		
Seq. No.	16071	Seq. ID	OJ990927_16.9B17.C20
Gene No.	33961	Strand	+
Start	120	End	387
Name	OJ990927_16.9B17.C20.o1.gs	Method	GENSCAN
Start	120	End	387
GI	none	Score	.6
Exons	120..387		
Seq. No.	16072	Seq. ID	OJ990927_16.9B17.C21
Gene No.	33962	Strand	-
Start	176	End	232
Name	OJ990927_16.9B17.C21.o1.gs	Method	GENSCAN
Start	176	End	232
GI	none	Score	.65
Exons	176..232		
Seq. No.	16073	Seq. ID	OJ990927_16.9B17.C23
Gene No.	33963	Strand	+
Start	1	End	482
Name	OJ990927_16.9B17.C23.o1.gp	Method	AAT/GAP
Start	1	End	482
GI	4107134	Score	839
Exons	1..482		
GI Descrip.	4680179/gb\|AAD27547.1\|AF111709_1 3.0e-97 (AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	16073	Seq. ID	OJ990927_16.9B17.C23
Gene No.	33964	Strand	-
Start	1	End	1788
Name	OJ990927_16.9B17.C23.o1.np	Method	AAT/NAP

Start	1	End	1788
GI	4680179	Score	2304
Exons	1..1788		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	16073	Seq. ID	OJ990927_16.9B17.C23
Gene No.	33964	Strand	-
Start	1	End	1788
Name	OJ990927_16.9B17.C23.o2.tm	Method	TBLASTX:Maize
Start	1	End	326
GI	none	Score	60
Exons	1..258, 3..326, 280..315		

Seq. No.	16073	Seq. ID	OJ990927_16.9B17.C23
Gene No.	33964	Strand	-
Start	1	End	1788
Name	OJ990927_16.9B17.C23.o2.tw	Method	TBLASTX:Wheat
Start	3	End	347
GI	none	Score	224
Exons	3..347, 7..309, 21..344, 266..346		

Seq. No.	16073	Seq. ID	OJ990927_16.9B17.C23
Gene No.	33964	Strand	-
Start	1	End	1788
Name	OJ990927_16.9B17.C23.o1.gs	Method	GENSCAN
Start	13	End	1724
GI	none	Score	.97
Exons	13..115, 293..1724		

Seq. No.	16073	Seq. ID	OJ990927_16.9B17.C23
Gene No.	33964	Strand	-
Start	1	End	1788
Name	OJ990927_16.9B17.C23.o1.ts	Method	TBLASTX:Soybean
Start	60	End	455
GI	none	Score	123
Exons	60..419, 61..303, 90..419, 411..455, 423..455		

Seq. No.	16073	Seq. ID	OJ990927_16.9B17.C23
Gene No.	33964	Strand	-
Start	1	End	1788
Name	OJ990927_16.9B17.C23.o1.tm	Method	TBLASTX:Maize
Start	342	End	809
GI	none	Score	39
Exons	342..809, 375..443, 555..722, 568..798		

Seq. No.	16073	Seq. ID	OJ990927_16.9B17.C23
Gene No.	33964	Strand	-
Start	1	End	1788
Name	OJ990927_16.9B17.C23.o1.tw	Method	TBLASTX:Wheat
Start	396	End	882
GI	none	Score	191
Exons	396..878, 438..767, 439..882		

Seq. No.	16073	Seq. ID	OJ990927_16.9B17.C23
Gene No.	33964	Strand	-
Start	1	End	1788
Name	OJ990927_16.9B17.C23.o3.tw	Method	TBLASTX:Wheat

Start	1053	End	1457
GI	none	Score	47
Exons	1053..1226, 1134..1193, 1230..1457, 1288..1410		

Seq. No.	16073	Seq. ID	OJ990927_16.9B17.C23
Gene No.	33964	Strand	-
Start	1	End	1788
Name	OJ990927_16.9B17.C23.o3.tm	Method	TBLASTX:Maize
Start	1140	End	1460
GI	none	Score	69
Exons	1140..1460, 1315..1416		

Seq. No.	16074	Seq. ID	OJ990927_16.9B17.C24
Gene No.	33965	Strand	+
Start	657	End	3575
Name	OJ990927_16.9B17.C24.o1.gs	Method	GENSCAN
Start	657	End	1682
GI	none	Score	.86
Exons	657..774, 1005..1141, 1551..1682		

Seq. No.	16074	Seq. ID	OJ990927_16.9B17.C24
Gene No.	33965	Strand	+
Start	657	End	3575
Name	OJ990927_16.9B17.C24.o1.np	Method	AAT/NAP
Start	1001	End	3575
GI	5295955	Score	470
Exons	1001..1073, 1615..1728, 2407..2819, 2948..3575		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	16074	Seq. ID	OJ990927_16.9B17.C24
Gene No.	33966	Strand	-
Start	2740	End	6045
Name	OJ990927_16.9B17.C24.o2.gs	Method	GENSCAN
Start	2740	End	6045
GI	none	Score	.6
Exons	2740..2826, 2831..3122, 3295..3407, 4113..4159, 5017..5206, 5887..6045		

Seq. No.	16074	Seq. ID	OJ990927_16.9B17.C24
Gene No.	33966	Strand	-
Start	2740	End	6045
Name	OJ990927_16.9B17.C24.o2.np	Method	AAT/NAP
Start	4474	End	5901
GI	1657851	Score	288
Exons	4474..4565, 4869..5297, 5452..5901		
GI Descrip.	(U73214) cold acclimation protein WCOR518 [Triticum aestivum]		

Seq. No.	16075	Seq. ID	OJ990927_16.9B17.C26
Gene No.	33967	Strand	-
Start	1233	End	2973
Name	OJ990927_16.9B17.C26.o1.gs	Method	GENSCAN
Start	1233	End	2973
GI	none	Score	.68
Exons	1233..1556, 2285..2566, 2890..2973		

Seq. No.	16076	Seq. ID	OJ990927_16.9B17.C27

Gene No.	33968	Strand	-
Start	254	End	4812
Name	OJ990927_16.9B17.C27.o1.gs	Method	GENSCAN
Start	254	End	4278
GI	none	Score	.59
Exons	254..483, 996..1349, 1548..1638, 2502..3875, 4173..4278		

Seq. No.	16076	Seq. ID	OJ990927_16.9B17.C27
Gene No.	33968	Strand	-
Start	254	End	4812
Name	OJ990927_16.9B17.C27.o1.np	Method	AAT/NAP
Start	2569	End	4812
GI	161752	Score	101
Exons	2569..2657, 2925..3003, 3149..3224, 3258..3391, 3509..3605, 4780..4812		
GI Descrip.	(L03710) cnjB [Tetrahymena thermophila] gi\|737494\|prf\|\|1922371A cnjB gene [Tetrahymena thermophila]		

Seq. No.	16077	Seq. ID	OJ990927_16.9B17.C28
Gene No.	33969	Strand	+
Start	2532	End	4485
Name	OJ990927_16.9B17.C28.o2.np	Method	AAT/NAP
Start	2532	End	4485
GI	4680186	Score	220
Exons	2532..2556, 4281..4485		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	16077	Seq. ID	OJ990927_16.9B17.C28
Gene No.	33969	Strand	+
Start	2532	End	4485
Name	OJ990927_16.9B17.C28.o1.gs	Method	GENSCAN
Start	2583	End	3371
GI	none	Score	.56
Exons	2583..2687, 2826..3371		

Seq. No.	16077	Seq. ID	OJ990927_16.9B17.C28
Gene No.	33970	Strand	-
Start	1367	End	2941
Name	OJ990927_16.9B17.C28.o1.np	Method	AAT/NAP
Start	1367	End	2941
GI	6063554	Score	186
Exons	1367..1558, 2713..2941		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	16077	Seq. ID	OJ990927_16.9B17.C28
Gene No.	33971	Strand	-
Start	4030	End	4414
Name	OJ990927_16.9B17.C28.o2.gp	Method	AAT/GAP
Start	4030	End	4414
GI	uC-osflcyp033a04b1	Score	616
Exons	4030..4414		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	16078	Seq. ID	OJ990927_16.9B17.C29

Gene No.	33972	Strand	+
Start	1	End	7805
Name	OJ990927_16.9B17.C29.o1.np	Method	AAT/NAP
Start	1	End	7805
GI	5852180	Score	629
Exons	1..41, 1888..1940, 3023..3139, 3191..3603, 4308..4346, 5033..5110, 7776..7805		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	16078	Seq. ID	OJ990927_16.9B17.C29
Gene No.	33972	Strand	+
Start	1	End	7805
Name	OJ990927_16.9B17.C29.o2.np	Method	AAT/NAP
Start	5008	End	6873
GI	1166450	Score	55
Exons	5008..5262, 5992..6117, 6631..6873		
GI Descrip.	(X95262) Tfm5 [Lycopersicon esculentum]		

Seq. No.	16078	Seq. ID	OJ990927_16.9B17.C29
Gene No.	33972	Strand	+
Start	1	End	7805
Name	OJ990927_16.9B17.C29.o3.np	Method	AAT/NAP
Start	6334	End	6786
GI	6539571	Score	65
Exons	6334..6581, 6675..6786		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	16079	Seq. ID	OJ990927_16.9B17.C31
Gene No.	33973	Strand	-
Start	177	End	468
Name	OJ990927_16.9B17.C31.o1.gs	Method	GENSCAN
Start	177	End	468
GI	none	Score	.73
Exons	177..468		

Seq. No.	16080	Seq. ID	OJ990907_16.9B23.C1
Gene No.	33974	Strand	-
Start	1	End	779
Name	OJ990907_16.9B23.C1.o1.np	Method	AAT/NAP
Start	1	End	779
GI	5102733	Score	81
Exons	1..247, 683..779		
GI Descrip.	(AL079292) hypothetical protein, similar to (AC007017) putative RNA helicase A [Arabidopsis thaliana] [Homo sapiens]		

Seq. No.	16080	Seq. ID	OJ990907_16.9B23.C1
Gene No.	33974	Strand	-
Start	1	End	779
Name	OJ990907_16.9B23.C1.p1.ts	Method	TBLASTX:Soybean
Start	103	End	252
GI	none	Score	44
Exons	103..168, 104..175, 105..176, 149..250, 177..248, 202..252		

Seq. No.	16081	Seq. ID	OJ990907_16.9B23.C2
Gene No.	33975	Strand	-
Start	1	End	1891
Name	OJ990907_16.9B23.C2.o1.np	Method	AAT/NAP

Start	1	End	1891
GI	4510377	Score	257
Exons	1..115, 220..275, 429..490, 600..700, 966..1052, 1760..1891		
GI Descrip.	(AC007017) putative ATP-dependent RNA helicase A [Arabidopsis thaliana]		

Seq. No.	16081	Seq. ID	OJ990907_16.9B23.C2
Gene No.	33975	Strand	-
Start	1	End	1891
Name	OJ990907_16.9B23.C2.o1.gs	Method	GENSCAN
Start	220	End	1879
GI	none	Score	.73
Exons	220..285, 966..1052, 1760..1879		

Seq. No.	16081	Seq. ID	OJ990907_16.9B23.C2
Gene No.	33975	Strand	-
Start	1	End	1891
Name	OJ990907_16.9B23.C2.o1.gp	Method	AAT/GAP
Start	222	End	1891
GI	uC-osroM202041h08b1	Score	762
Exons	222..285, 433..490, 600..700, 966..1052, 1760..1891		
GI Descrip.	'4510377/gb\|AAD21465.1\| 1.0e-33 (AC007017) putative RNA helicase A [Arabidopsis thaliana]'		

Seq. No.	16082	Seq. ID	OJ990907_16.9B23.C3
Gene No.	33976	Strand	+
Start	6756	End	8315
Name	OJ990907_16.9B23.C3.o2.gs	Method	GENSCAN
Start	6756	End	8315
GI	none	Score	1
Exons	6756..7367, 7452..7625, 7731..8315		

Seq. No.	16082	Seq. ID	OJ990907_16.9B23.C3
Gene No.	33977	Strand	+
Start	25429	End	27483
Name	OJ990907_16.9B23.C3.o3.gp	Method	AAT/GAP
Start	25429	End	27483
GI	none	Score	1169
Exons	25429..25878, 27290..27483		

Seq. No.	16082	Seq. ID	OJ990907_16.9B23.C3
Gene No.	33978	Strand	-
Start	372	End	4282
Name	OJ990907_16.9B23.C3.o1.gs	Method	GENSCAN
Start	372	End	4282
GI	none	Score	.91
Exons	372..684, 1224..1442, 2030..2241, 2381..2480, 3059..3267, 3747..3852, 3950..4282		

Seq. No.	16082	Seq. ID	OJ990907_16.9B23.C3
Gene No.	33979	Strand	-
Start	10684	End	15552
Name	OJ990907_16.9B23.C3.o3.gs	Method	GENSCAN
Start	10684	End	14700
GI	none	Score	.9
Exons	10684..10982, 11449..12010, 13271..13705, 14272..14700		

Seq. No.	16082	Seq. ID	OJ990907_16.9B23.C3
Gene No.	33979	Strand	-
Start	10684	End	15552
Name	OJ990907_16.9B23.C3.o2.np	Method	AAT/NAP
Start	10687	End	15552
GI	5123703	Score	2008
Exons	10687..10982, 11449..12010, 13271..13705, 14272..14655, 15490..15552		
GI Descrip.	(AL079347) invertase-like protein [Arabidopsis thaliana]		

Seq. No.	16082	Seq. ID	OJ990907_16.9B23.C3
Gene No.	33980	Strand	-
Start	18279	End	23840
Name	OJ990907_16.9B23.C3.o4.gs	Method	GENSCAN
Start	18279	End	23840
GI	none	Score	.69
Exons	18279..18326, 19017..19118, 19356..19683, 19817..19943, 20077..20130, 21535..21562, 21842..22149, 22379..22749, 22842..22917, 23424..23575, 23632..23840		

Seq. No.	16082	Seq. ID	OJ990907_16.9B23.C3
Gene No.	33980	Strand	-
Start	18279	End	23840
Name	OJ990907_16.9B23.C3.o2.gp	Method	AAT/GAP
Start	20923	End	21331
GI	none	Score	781
Exons	20923..21331		

Seq. No.	16082	Seq. ID	OJ990907_16.9B23.C3
Gene No.	33981	Strand	-
Start	25662	End	28518
Name	OJ990907_16.9B23.C3.o1.ts	Method	TBLASTX:Soybean
Start	7728	End	8288
GI	none	Score	689
Exons	7728..8288, 7730..8080		

Seq. No.	16082	Seq. ID	OJ990907_16.9B23.C3
Gene No.	33981	Strand	-
Start	25662	End	28518
Name	OJ990907_16.9B23.C3.o7.tm	Method	TBLASTX:Maize
Start	8127	End	8294
GI	none	Score	194
Exons	8127..8294		

Seq. No.	16082	Seq. ID	OJ990907_16.9B23.C3
Gene No.	33981	Strand	-
Start	25662	End	28518
Name	OJ990907_16.9B23.C3.o1.tm	Method	TBLASTX:Maize
Start	10679	End	13448
GI	none	Score	288
Exons	10679..10861, 10690..10986, 10691..10987, 11450..11923, 11451..11540, 11622..11924, 11930..12028, 11931..12011, 13271..13438, 13272..13448		

Seq. No.	16082	Seq. ID	OJ990907_16.9B23.C3
Gene No.	33981	Strand	-
Start	25662	End	28518

Name	OJ990907_16.9B23.C3.o3.tc	Method	TBLASTX:Cress
Start	10693	End	10990
GI	none	Score	157
Exons	10693..10740, 10726..10986, 10727..10879, 10943..10990		

Seq. No.	16082	Seq. ID	OJ990907_16.9B23.C3
Gene No.	33981	Strand	-
Start	25662	End	28518
Name	OJ990907_16.9B23.C3.o3.ts	Method	TBLASTX:Soybean
Start	10720	End	11734
GI	none	Score	105
Exons	10720..10986, 10736..10990, 11450..11734, 11451..11552, 11625..11720		

Seq. No.	16082	Seq. ID	OJ990907_16.9B23.C3
Gene No.	33981	Strand	-
Start	25662	End	28518
Name	OJ990907_16.9B23.C3.o1.tc	Method	TBLASTX:Cress
Start	11456	End	11911
GI	none	Score	55
Exons	11456..11503, 11457..11504, 11489..11566, 11579..11911, 11622..11891		

Seq. No.	16082	Seq. ID	OJ990907_16.9B23.C3
Gene No.	33981	Strand	-
Start	25662	End	28518
Name	OJ990907_16.9B23.C3.o1.tw	Method	TBLASTX:Wheat
Start	11729	End	13415
GI	none	Score	200
Exons	11729..11947, 11730..11930, 11927..12028, 11928..12011, 13271..13414, 13272..13415		

Seq. No.	16082	Seq. ID	OJ990907_16.9B23.C3
Gene No.	33981	Strand	-
Start	25662	End	28518
Name	OJ990907_16.9B23.C3.o2.ts	Method	TBLASTX:Soybean
Start	11736	End	13601
GI	none	Score	252
Exons	11736..12011, 11738..12010, 11897..12028, 13271..13513, 13272..13502, 13523..13600, 13542..13601		

Seq. No.	16082	Seq. ID	OJ990907_16.9B23.C3
Gene No.	33981	Strand	-
Start	25662	End	28518
Name	OJ990907_16.9B23.C3.o2.tc	Method	TBLASTX:Cress
Start	13337	End	14601
GI	none	Score	164
Exons	13337..13513, 13365..13514, 13523..13714, 13524..13706, 13640..13708, 14266..14445, 14270..14443, 14539..14601		

Seq. No.	16082	Seq. ID	OJ990907_16.9B23.C3
Gene No.	33981	Strand	-
Start	25662	End	28518
Name	OJ990907_16.9B23.C3.o3.tw	Method	TBLASTX:Wheat
Start	13418	End	13591
GI	none	Score	129
Exons	13418..13513, 13419..13514, 13523..13591, 13527..13589		

Seq. No.	16082	Seq. ID	OJ990907_16.9B23.C3
Gene No.	33981	Strand	-
Start	25662	End	28518
Name	OJ990907_16.9B23.C3.o6.tm	Method	TBLASTX:Maize
Start	13451	End	13658
GI	none	Score	83
Exons	13451..13519, 13452..13520, 13509..13658, 13520..13657		

Seq. No.	16082	Seq. ID	OJ990907_16.9B23.C3
Gene No.	33981	Strand	-
Start	25662	End	28518
Name	OJ990907_16.9B23.C3.o8.ts	Method	TBLASTX:Soybean
Start	13617	End	14419
GI	none	Score	103
Exons	13617..13706, 13631..13714, 14266..14418, 14270..14419		

Seq. No.	16082	Seq. ID	OJ990907_16.9B23.C3
Gene No.	33981	Strand	-
Start	25662	End	28518
Name	OJ990907_16.9B23.C3.o4.tm	Method	TBLASTX:Maize
Start	13658	End	14640
GI	none	Score	87
Exons	13658..13714, 13658..13714, 14266..14478, 14270..14476, 14491..14577, 14497..14601, 14605..14640		

Seq. No.	16082	Seq. ID	OJ990907_16.9B23.C3
Gene No.	33981	Strand	-
Start	25662	End	28518
Name	OJ990907_16.9B23.C3.o2.tm	Method	TBLASTX:Maize
Start	21305	End	23871
GI	none	Score	303
Exons	21305..21541, 21306..21545, 21533..21562, 21534..21581, 21839..22144, 21839..22147, 21847..22152, 21847..22152, 22364..22531, 22366..22746, 22380..22748, 22380..22748, 22381..22749, 22824..22946, 22824..22946, 22841..22948, 22846..22947, 23601..23723, 23607..23735, 23821..23871		

Seq. No.	16082	Seq. ID	OJ990907_16.9B23.C3
Gene No.	33981	Strand	-
Start	25662	End	28518
Name	OJ990907_16.9B23.C3.o7.ts	Method	TBLASTX:Soybean
Start	21338	End	22087
GI	none	Score	102
Exons	21338..21562, 21387..21563, 21848..21892, 21894..22055, 21898..22062, 21902..22084, 21902..22087		

Seq. No.	16082	Seq. ID	OJ990907_16.9B23.C3
Gene No.	33981	Strand	-
Start	25662	End	28518
Name	OJ990907_16.9B23.C3.o5.ts	Method	TBLASTX:Soybean
Start	22569	End	23735
GI	none	Score	160
Exons	22569..22757, 22573..22743, 22841..22948, 22842..22946, 23607..23735, 23614..23655		

Seq. No.	16082	Seq. ID	OJ990907_16.9B23.C3

Gene No.	33981	Strand	-
Start	25662	End	28518
Name	OJ990907_16.9B23.C3.o3.tm	Method	TBLASTX:Maize
Start	25458	End	27445
GI	none	Score	63
Exons	25458..25511, 25459..25512, 25562..25660, 25662..25874, 25666..25878, 25826..25879, 27292..27378, 27413..27445		

Seq. No.	16082	Seq. ID	OJ990907_16.9B23.C3
Gene No.	33981	Strand	-
Start	25662	End	28518
Name	OJ990907_16.9B23.C3.o6.ts	Method	TBLASTX:Soybean
Start	25657	End	25874
GI	none	Score	169
Exons	25657..25839, 25659..25838, 25833..25874		

Seq. No.	16082	Seq. ID	OJ990907_16.9B23.C3
Gene No.	33981	Strand	-
Start	25662	End	28518
Name	OJ990907_16.9B23.C3.o2.tw	Method	TBLASTX:Wheat
Start	25658	End	27481
GI	none	Score	62
Exons	25658..25711, 25659..25697, 25698..25874, 25744..25878, 27292..27387, 27416..27481		

Seq. No.	16082	Seq. ID	OJ990907_16.9B23.C3
Gene No.	33981	Strand	-
Start	25662	End	28518
Name	OJ990907_16.9B23.C3.o5.gs	Method	GENSCAN
Start	25662	End	28469
GI	none	Score	.64
Exons	25662..25876, 26539..26712, 27544..27589, 27879..28469		

Seq. No.	16082	Seq. ID	OJ990907_16.9B23.C3
Gene No.	33981	Strand	-
Start	25662	End	28518
Name	OJ990907_16.9B23.C3.o5.tc	Method	TBLASTX:Cress
Start	25662	End	25892
GI	none	Score	40
Exons	25662..25838, 25666..25692, 25765..25845, 25824..25892		

Seq. No.	16082	Seq. ID	OJ990907_16.9B23.C3
Gene No.	33981	Strand	-
Start	25662	End	28518
Name	OJ990907_16.9B23.C3.o4.ts	Method	TBLASTX:Soybean
Start	27864	End	28403
GI	none	Score	292
Exons	27864..28403		

Seq. No.	16082	Seq. ID	OJ990907_16.9B23.C3
Gene No.	33981	Strand	-
Start	25662	End	28518
Name	OJ990907_16.9B23.C3.o5.tm	Method	TBLASTX:Maize
Start	27864	End	28518
GI	none	Score	125
Exons	27864..28514, 27952..28518		

Seq. No.	16082	Seq. ID	OJ990907_16.9B23.C3
Gene No.	33981	Strand	-
Start	25662	End	28518
Name	OJ990907_16.9B23.C3.o4.tc	Method	TBLASTX:Cress
Start	27888	End	28511
GI	none	Score	151
Exons	27888..28511, 27889..28416		

Seq. No.	16083	Seq. ID	OJ990907_16.9B23.C4
Gene No.	33982	Strand	+
Start	4495	End	7689
Name	OJ990907_16.9B23.C4.o2.np	Method	AAT/NAP
Start	4416	End	7683
GI	6587806	Score	424
Exons	4416..4863, 5021..5203, 6085..6213, 6491..6704, 6774..6892, 7405..7683		
GI Descrip.	(AC010924) Contains similarity to gb\|M82916 MRS2 protein from Saccharomyces cerivisae. ESTs gb\|N96043, gb\|AI998651, gb\|AA585850, gb\|T42027 come from this gene. [Arabidopsis thaliana]		

Seq. No.	16083	Seq. ID	OJ990907_16.9B23.C4
Gene No.	33982	Strand	+
Start	4495	End	7689
Name	OJ990907_16.9B23.C4.o3.gs	Method	GENSCAN
Start	4495	End	7689
GI	none	Score	.9
Exons	4495..4911, 5021..5203, 6085..6213, 6491..6621, 6721..6892, 7405..7689		

Seq. No.	16083	Seq. ID	OJ990907_16.9B23.C4
Gene No.	33982	Strand	+
Start	4495	End	7689
Name	OJ990907_16.9B23.C4.o1.gp	Method	AAT/GAP
Start	5030	End	6826
GI	uC-osroM202031e04b1	Score	984
Exons	5030..5203, 6085..6213, 6491..6621, 6733..6826		
GI Descrip.	'4406759/gb\|AAD20070\| 8.0e-15 (AC006836) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	16083	Seq. ID	OJ990907_16.9B23.C4
Gene No.	33983	Strand	-
Start	1044	End	1356
Name	OJ990907_16.9B23.C4.o1.gs	Method	GENSCAN
Start	1044	End	1356
GI	none	Score	.74
Exons	1044..1055, 1186..1356		

Seq. No.	16083	Seq. ID	OJ990907_16.9B23.C4
Gene No.	33984	Strand	-
Start	3291	End	3723
Name	OJ990907_16.9B23.C4.o1.np	Method	AAT/NAP
Start	3291	End	3723
GI	6539570	Score	167
Exons	3291..3357, 3529..3723		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	16083	Seq. ID	OJ990907_16.9B23.C4
Gene No.	33985	Strand	-
Start	9001	End	9087
Name	OJ990907_16.9B23.C4.o1.tc	Method	TBLASTX:Cress
Start	111	End	269
GI	none	Score	99
Exons	111..269, 112..258		

Seq. No.	16083	Seq. ID	OJ990907_16.9B23.C4
Gene No.	33985	Strand	-
Start	9001	End	9087
Name	OJ990907_16.9B23.C4.o2.ts	Method	TBLASTX:Soybean
Start	111	End	267
GI	none	Score	117
Exons	111..266, 112..267		

Seq. No.	16083	Seq. ID	OJ990907_16.9B23.C4
Gene No.	33985	Strand	-
Start	9001	End	9087
Name	OJ990907_16.9B23.C4.o1.tm	Method	TBLASTX:Maize
Start	5114	End	7572
GI	none	Score	107
Exons	5114..5215, 5140..5214, 6079..6213, 6080..6214, 6082..6216, 6084..6218, 6084..6257, 6809..6880, 7411..7572		

Seq. No.	16083	Seq. ID	OJ990907_16.9B23.C4
Gene No.	33985	Strand	-
Start	9001	End	9087
Name	OJ990907_16.9B23.C4.o1.ts	Method	TBLASTX:Soybean
Start	5132	End	7575
GI	none	Score	74
Exons	5132..5197, 6100..6216, 6114..6218, 6818..6880, 7411..7575		

Seq. No.	16083	Seq. ID	OJ990907_16.9B23.C4
Gene No.	33985	Strand	-
Start	9001	End	9087
Name	OJ990907_16.9B23.C4.o4.gs	Method	GENSCAN
Start	9001	End	9087
GI	none	Score	.59
Exons	9001..9087		

Seq. No.	16084	Seq. ID	OJ990907_16.9B23.C5
Gene No.	33986	Strand	+
Start	51	End	3010
Name	OJ990907_16.9B23.C5.o1.gs	Method	GENSCAN
Start	51	End	2585
GI	none	Score	.96
Exons	51..1618, 2159..2318, 2529..2585		

Seq. No.	16084	Seq. ID	OJ990907_16.9B23.C5
Gene No.	33986	Strand	+
Start	51	End	3010
Name	OJ990907_16.9B23.C5.o2.tm	Method	TBLASTX:Maize
Start	409	End	1010
GI	none	Score	57
Exons	409..480, 411..617, 503..616, 606..752, 619..735, 673..765, 697..765, 702..995, 769..948, 820..1002, 824..997, 831..1010		

Seq. No.	16084	Seq. ID	OJ990907_16.9B23.C5
Gene No.	33986	Strand	+
Start	51	End	3010
Name	OJ990907_16.9B23.C5.o1.tm	Method	TBLASTX:Maize
Start	1028	End	3010
GI	none	Score	111
Exons	1028..1174, 1029..1172, 1036..1188, 1038..1199, 1168..1296, 1170..1322, 1190..1483, 1206..1478, 1357..1479, 1486..1617, 1491..1613, 1494..1619, 1495..1617, 2142..2318, 2169..2318, 2177..2323, 2179..2319, 2186..2320, 2526..2579, 2528..2578, 2963..3010		

Seq. No.	16085	Seq. ID	OJ990907_16.9B23.C6
Gene No.	33987	Strand	+
Start	3889	End	4450
Name	OJ990907_16.9B23.C6.o2.np	Method	AAT/NAP
Start	3889	End	4450
GI	5263329	Score	118
Exons	3889..3982, 4096..4239, 4422..4450		
GI Descrip.	(AC007727) Contains PF\|00646 F-box domain. ESTs gb\|Z37267, gb\|R90412, gb\|Z37268 and gb\|T88189 come from this gene. [Arabidopsis thaliana]		

Seq. No.	16085	Seq. ID	OJ990907_16.9B23.C6
Gene No.	33988	Strand	-
Start	128	End	1629
Name	OJ990907_16.9B23.C6.o1.np	Method	AAT/NAP
Start	128	End	601
GI	4583546	Score	274
Exons	128..601		
GI Descrip.	(AJ010819) GrpE protein [Arabidopsis thaliana]		

Seq. No.	16085	Seq. ID	OJ990907_16.9B23.C6
Gene No.	33988	Strand	-
Start	128	End	1629
Name	OJ990907_16.9B23.C6.o1.tc	Method	TBLASTX:Cress
Start	158	End	391
GI	none	Score	85
Exons	158..391, 177..254, 179..382, 321..389		

Seq. No.	16085	Seq. ID	OJ990907_16.9B23.C6
Gene No.	33988	Strand	-
Start	128	End	1629
Name	OJ990907_16.9B23.C6.o1.tm	Method	TBLASTX:Maize
Start	158	End	469
GI	none	Score	86
Exons	158..469, 177..254, 312..437		

Seq. No.	16085	Seq. ID	OJ990907_16.9B23.C6
Gene No.	33988	Strand	-
Start	128	End	1629
Name	OJ990907_16.9B23.C6.o1.ts	Method	TBLASTX:Soybean
Start	158	End	610
GI	none	Score	87
Exons	158..610, 171..254, 242..427, 312..455		

Seq. No.	16085	Seq. ID	OJ990907_16.9B23.C6
Gene No.	33988	Strand	-
Start	128	End	1629
Name	OJ990907_16.9B23.C6.o1.gp	Method	AAT/GAP
Start	161	End	1621
GI	9372_1.R1084	Score	1093
Exons	161..634, 1423..1621		
GI Descrip.	'4583546/emb\|CAB40381.1\| 1.0e-21 (AJ010819) GrpE protein [Arabidopsis thaliana]'		

Seq. No.	16085	Seq. ID	OJ990907_16.9B23.C6
Gene No.	33988	Strand	-
Start	128	End	1629
Name	OJ990907_16.9B23.C6.o1.gs	Method	GENSCAN
Start	173	End	1629
GI	none	Score	.82
Exons	173..634, 1423..1629		

Seq. No.	16085	Seq. ID	OJ990907_16.9B23.C6
Gene No.	33988	Strand	-
Start	128	End	1629
Name	OJ990907_16.9B23.C6.o1.tw	Method	TBLASTX:Wheat
Start	476	End	661
GI	none	Score	172
Exons	476..637, 477..638, 561..638, 562..639, 578..661		

Seq. No.	16085	Seq. ID	OJ990907_16.9B23.C6
Gene No.	33989	Strand	
Start	3887	End	4205
Name	OJ990907_16.9B23.C6.o2.tm	Method	TBLASTX:Maize
Start	3887	End	4205
GI	none	Score	142
Exons	3887..3982, 3892..4002, 3894..3989, 3927..4004, 4097..4153, 4098..4205, 4099..4188		

Seq. No.	16086	Seq. ID	OJ990907_16.9B23.C7
Gene No.	33990	Strand	+
Start	1	End	890
Name	OJ990907_16.9B23.C7.o1.np	Method	AAT/NAP
Start	1	End	890
GI	5263329	Score	82
Exons	1..177, 811..890		
GI Descrip.	(AC007727) Contains PF\|00646 F-box domain. ESTs gb\|Z37267, gb\|R90412, gb\|Z37268 and gb\|T88189 come from this gene. [Arabidopsis thaliana]		

Seq. No.	16087	Seq. ID	OJ990907_16.9B23.C8
Gene No.	33991	Strand	+
Start	184	End	1822
Name	OJ990907_16.9B23.C8.o1.np	Method	AAT/NAP
Start	184	End	1375
GI	5263329	Score	460
Exons	184..270, 464..517, 605..698, 791..863, 952..1162, 1319..1375		
GI Descrip.	(AC007727) Contains PF\|00646 F-box domain. ESTs gb\|Z37267, gb\|R90412, gb\|Z37268 and gb\|T88189 come from this gene. [Arabidopsis thaliana]		

Seq. No.	16087	Seq. ID	OJ990907_16.9B23.C8
Gene No.	33991	Strand	+
Start	184	End	1822
Name	OJ990907_16.9B23.C8.o1.gs	Method	GENSCAN
Start	197	End	1822
GI	none	Score	.78
Exons	197..270, 550..709, 805..863,	952..1162, 1766..1822	

Seq. No.	16087	Seq. ID	OJ990907_16.9B23.C8
Gene No.	33991	Strand	+
Start	184	End	1822
Name	OJ990907_16.9B23.C8.o1.gp	Method	AAT/GAP
Start	1092	End	1680
GI	uC-osflcyp079b01a1	Score	830
Exons	1092..1162, 1319..1680		
GI Descrip.	'5263329/gb\|AAD41431.1\|AC007727_20 2.0e-10 (AC007727) Contains PF_00646 F-box domain. ESTs gb_Z37267, gb_R90412, gb_Z37268 and gb_T88189 come from this gene. [Arabidopsis thaliana]'		

Seq. No.	16087	Seq. ID	OJ990907_16.9B23.C8
Gene No.	33992	Strand	-
Start	1787	End	1893
Name	OJ990907_16.9B23.C8.o1.ts	Method	TBLASTX:Soybean
Start	190	End	703
GI	none	Score	85
Exons	190..255, 195..272, 462..515, 616..702	464..517, 600..698, 608..703,	

Seq. No.	16087	Seq. ID	OJ990907_16.9B23.C8
Gene No.	33992	Strand	-
Start	1787	End	1893
Name	OJ990907_16.9B23.C8.o1.tm	Method	TBLASTX:Maize
Start	195	End	1381
GI	none	Score	107
Exons	195..272, 196..261, 198..281, 604..708, 802..873, 802..885, 1101..1163, 1316..1381, 1318..1377	463..516, 464..520, 602..727, 932..1126, 935..1102, 1096..1164,	

Seq. No.	16087	Seq. ID	OJ990907_16.9B23.C8
Gene No.	33992	Strand	-
Start	1787	End	1893
Name	OJ990907_16.9B23.C8.o2.gp	Method	AAT/GAP
Start	1787	End	1893
GI	none	Score	186
Exons	1787..1893		

Seq. No.	16088	Seq. ID	OJ990907_16.9B23.C9
Gene No.	33993	Strand	+
Start	1	End	38456
Name	OJ990907_16.9B23.C9.o2.np	Method	AAT/NAP
Start	1	End	38456
GI	1491621	Score	117
Exons	1..26, 898..1108, 5984..6028, 22851..23024, 29846..29962, 37782..38016, 38361..38456	14245..14376, 18452..18610,	
GI Descrip.	(Z78205) UL36 [Bovine herpesvirus 1] gi\|2653311\|emb\|CAA06097\| (AJ004801) very large virion protein (tegument) [Bovine herpesvirus type 1.1]		

Seq. No.	16088	Seq. ID	OJ990907_16.9B23.C9
Gene No.	33993	Strand	+
Start	1	End	38456
Name	OJ990907_16.9B23.C9.o3.gs	Method	GENSCAN
Start	22232	End	35540
GI	none	Score	.67
Exons	22232..22288, 22302..22342, 22872..23149, 23263..23400, 24938..25000, 25375..25415, 28240..28509, 28557..28631, 28758..28859, 28948..29001, 29058..29199, 29753..29845, 29953..30059, 32556..32660, 32744..32842, 32928..33224, 33530..33610, 33896..34075, 35232..35540		

Seq. No.	16088	Seq. ID	OJ990907_16.9B23.C9
Gene No.	33993	Strand	+
Start	1	End	38456
Name	OJ990907_16.9B23.C9.o3.gp	Method	AAT/GAP
Start	28075	End	29199
GI	60901_1.R1084	Score	1212
Exons	28075..28432, 28557..28631, 28758..28859, 28948..29001, 29107..29199		
GI Descrip.	'3046731/emb\|CAA06503\| 3.0e-69 (AJ005373) protein kinase [Craterostigma plantagineum]'		

Seq. No.	16088	Seq. ID	OJ990907_16.9B23.C9
Gene No.	33993	Strand	+
Start	1	End	38456
Name	OJ990907_16.9B23.C9.o3.np	Method	AAT/NAP
Start	28313	End	33263
GI	1362051	Score	1303
Exons	28313..28432, 28557..28631, 28758..28859, 28948..29001, 29107..29199, 29753..29845, 32556..32660, 32744..32842, 32928..33263		
GI Descrip.	protein kinase 3 - soybean gi\|310582 (L19361) protein kinase 3 [Glycine max]		

Seq. No.	16088	Seq. ID	OJ990907_16.9B23.C9
Gene No.	33993	Strand	+
Start	1	End	38456
Name	OJ990907_16.9B23.C9.o4.gp	Method	AAT/GAP
Start	32761	End	33527
GI	70271_1.R1084	Score	1308
Exons	32761..32842, 32928..33527		
GI Descrip.	'1362051/pir\|\|S56716 4.0e-37 protein kinase 3 - soybean >gi_310582 (L19361) protein kinase 3 [Glycine max]'		

Seq. No.	16088	Seq. ID	OJ990907_16.9B23.C9
Gene No.	33993	Strand	+
Start	1	End	38456
Name	OJ990907_16.9B23.C9.o6.gp	Method	AAT/GAP
Start	37259	End	37320
GI	2312838	Score	75
Exons	37259..37320		
GI Descrip.	1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence		

Seq. No.	16088	Seq. ID	OJ990907_16.9B23.C9

Gene No.	33994	Strand	-
Start	713	End	1152
Name	OJ990907_16.9B23.C9.o1.np	Method	AAT/NAP
Start	713	End	1083
GI	6382501	Score	173
Exons	713..920, 981..1083		
GI Descrip.	(AC010704) unknown protein [Arabidopsis thaliana]		

Seq. No.	16088	Seq. ID	OJ990907_16.9B23.C9
Gene No.	33994	Strand	-
Start	713	End	1152
Name	OJ990907_16.9B23.C9.o1.gp	Method	AAT/GAP
Start	884	End	1152
GI	none	Score	530
Exons	884..1152		

Seq. No.	16088	Seq. ID	OJ990907_16.9B23.C9
Gene No.	33995	Strand	-
Start	16300	End	21423
Name	OJ990907_16.9B23.C9.o2.gp	Method	AAT/GAP
Start	16064	End	16977
GI	uC-osflcyp170d07a1	Score	1033
Exons	16064..16545, 16919..16977		
GI Descrip.	'2245058/emb\|CAB10481.1\| 2.0e-09 (Z97342) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	16088	Seq. ID	OJ990907_16.9B23.C9
Gene No.	33995	Strand	-
Start	16300	End	21423
Name	OJ990907_16.9B23.C9.o2.gs	Method	GENSCAN
Start	16300	End	21423
GI	none	Score	.43
Exons	16300..16545, 16919..17029, 18617..18815, 19995..20095, 21400..21423		

Seq. No.	16088	Seq. ID	OJ990907_16.9B23.C9
Gene No.	33996	Strand	-
Start	37781	End	38332
Name	OJ990907_16.9B23.C9.o3.tm	Method	TBLASTX:Maize
Start	784	End	1047
GI	none	Score	151
Exons	784..888, 784..924, 1015..1047		

Seq. No.	16088	Seq. ID	OJ990907_16.9B23.C9
Gene No.	33996	Strand	-
Start	37781	End	38332
Name	OJ990907_16.9B23.C9.o2.tm	Method	TBLASTX:Maize
Start	14236	End	14499
GI	none	Score	181
Exons	14236..14403, 14259..14390, 14398..14499, 14409..14483		

Seq. No.	16088	Seq. ID	OJ990907_16.9B23.C9
Gene No.	33996	Strand	-
Start	37781	End	38332
Name	OJ990907_16.9B23.C9.o1.tc	Method	TBLASTX:Cress
Start	28271	End	33272
GI	none	Score	157

Exons	28271..28417, 28313..28432, 28351..28431, 28554..28634, 28556..28633, 28745..28858, 28755..28865, 28938..29006, 28945..29001, 29101..29199, 29106..29198, 29107..29199, 29731..29844, 29771..29863, 32553..32645, 32554..32646, 32559..32657, 32741..32842, 32741..32827, 32746..32829, 32916..33029, 32927..33025, 33035..33133, 33036..33134, 33225..33272

Seq. No.	16088	Seq. ID	OJ990907_16.9B23.C9
Gene No.	33996	Strand	-
Start	37781	End	38332
Name	OJ990907_16.9B23.C9.o1.tm	Method	TBLASTX:Maize
Start	28306	End	33457
GI	none	Score	103
Exons	28306..28431, 28307..28432, 28307..28423, 28354..28431, 28551..28634, 28551..28631, 28556..28633, 28745..28858, 28755..28865, 28804..28914, 28938..29006, 28945..29001, 29105..29194, 29106..29195, 29107..29199, 29107..29199, 29731..29844, 29771..29863, 29779..29895, 32559..32660, 32562..32660, 32569..32661, 32569..32703, 32736..32840, 32743..32841, 32743..32841, 32744..32842, 32911..33009, 32915..33037, 32916..33062, 33011..33133, 33012..33152, 33222..33257, 33224..33298, 33413..33457		

Seq. No.	16088	Seq. ID	OJ990907_16.9B23.C9
Gene No.	33996	Strand	-
Start	37781	End	38332
Name	OJ990907_16.9B23.C9.o1.ts	Method	TBLASTX:Soybean
Start	28310	End	33020
GI	none	Score	173
Exons	28310..28432, 28313..28423, 28351..28425, 28554..28634, 28556..28633, 28745..28858, 28755..28865, 28938..29006, 28945..29001, 29093..29194, 29100..29180, 29100..29198, 29101..29199, 29731..29841, 29771..29863, 32559..32657, 32562..32657, 32744..32842, 32746..32838, 32915..32995, 32916..33020		

Seq. No.	16088	Seq. ID	OJ990907_16.9B23.C9
Gene No.	33996	Strand	-
Start	37781	End	38332
Name	OJ990907_16.9B23.C9.o1.tw	Method	TBLASTX:Wheat
Start	28577	End	29199
GI	none	Score	99
Exons	28577..28633, 28578..28634, 28578..28634, 28745..28858, 28755..28865, 28938..29006, 28945..29001, 29106..29198, 29107..29199		

Seq. No.	16088	Seq. ID	OJ990907_16.9B23.C9
Gene No.	33996	Strand	-
Start	37781	End	38332
Name	OJ990907_16.9B23.C9.o5.gp	Method	AAT/GAP
Start	37172	End	37256
GI	5455354	Score	110
Exons	37172..37256		
GI Descrip.	6016845/dbj\|AP000570.1\|AP000570 6.0e-28 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10		

Seq. No.	16088	Seq. ID	OJ990907_16.9B23.C9
Gene No.	33996	Strand	-
Start	37781	End	38332
Name	OJ990907_16.9B23.C9.o4.gs	Method	GENSCAN
Start	37781	End	38332
GI	none	Score	.96
Exons	37781..38332		

Seq. No.	16088	Seq. ID	OJ990907_16.9B23.C9
Gene No.	33996	Strand	-
Start	37781	End	38332
Name	OJ990907_16.9B23.C9.o4.np	Method	AAT/NAP
Start	37811	End	38222
GI	4160441	Score	118
Exons	37811..38019, 38050..38222		
GI Descrip.	(AF098674) lateral suppressor protein [Lycopersicon esculentum]		

Seq. No.	16089	Seq. ID	OJ990907_16.9B23.C10
Gene No.	33997	Strand	+
Start	38	End	658
Name	OJ990907_16.9B23.C10.o1.gs	Method	GENSCAN
Start	38	End	658
GI	none	Score	.91
Exons	38..658		

Seq. No.	16090	Seq. ID	OJ990907_16.9B23.C11
Gene No.	33998	Strand	-
Start	76	End	2084
Name	OJ990907_16.9B23.C11.o1.np	Method	AAT/NAP
Start	76	End	1019
GI	3283912	Score	98
Exons	76..262, 670..762, 943..1019		
GI Descrip.	(AF070639) unknown [Homo sapiens]		

Seq. No.	16090	Seq. ID	OJ990907_16.9B23.C11
Gene No.	33998	Strand	-
Start	76	End	2084
Name	OJ990907_16.9B23.C11.o1.tm	Method	TBLASTX:Maize
Start	136	End	754
GI	none	Score	56
Exons	136..264, 137..190, 137..265, 141..263, 142..264, 242..268, 666..752, 670..753, 671..754		

Seq. No.	16090	Seq. ID	OJ990907_16.9B23.C11
Gene No.	33998	Strand	-
Start	76	End	2084
Name	OJ990907_16.9B23.C11.o1.gs	Method	GENSCAN
Start	140	End	2084
GI	none	Score	.94
Exons	140..262, 670..762, 943..1155, 1356..1454, 2015..2084		

Seq. No.	16091	Seq. ID	OJ990907_16.9B23.C12
Gene No.	33999	Strand	-
Start	366	End	2835
Name	OJ990907_16.9B23.C12.o1.gs	Method	GENSCAN
Start	366	End	1927
GI	none	Score	.53

Exons	366..627, 882..949, 1612..1749, 1829..1927		
Seq. No.	16091	Seq. ID	OJ990907_16.9B23.C12
Gene No.	33999	Strand	-
Start	366	End	2835
Name	OJ990907_16.9B23.C12.o1.tm	Method	TBLASTX:Maize
Start	1341	End	1852
GI	none	Score	87
Exons	1341..1421, 1343..1420, 1618..1752, 1619..1765, 1829..1852, 1829..1852		
Seq. No.	16091	Seq. ID	OJ990907_16.9B23.C12
Gene No.	33999	Strand	-
Start	366	End	2835
Name	OJ990907_16.9B23.C12.o1.np	Method	AAT/NAP
Start	1349	End	2835
GI	5102733	Score	46
Exons	1349..1414, 1612..1713, 1829..1927, 2816..2835		
GI Descrip.	(AL079292) hypothetical protein, similar to (AC007017) putative RNA helicase A [Arabidopsis thaliana] [Homo sapiens]		
Seq. No.	16092	Seq. ID	OJ990907_13.9B22.C1
Gene No.	34000	Strand	+
Start	1368	End	1810
Name	OJ990907_13.9B22.C1.o1.gs	Method	GENSCAN
Start	1368	End	1810
GI	none	Score	.77
Exons	1368..1426, 1796..1810		
Seq. No.	16092	Seq. ID	OJ990907_13.9B22.C1
Gene No.	34001	Strand	-
Start	1704	End	6359
Name	OJ990907_13.9B22.C1.o1.np	Method	AAT/NAP
Start	1704	End	6359
GI	6466937	Score	873
Exons	1704..2412, 5376..6359		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		
Seq. No.	16092	Seq. ID	OJ990907_13.9B22.C1
Gene No.	34001	Strand	-
Start	1704	End	6359
Name	OJ990907_13.9B22.C1.o2.tm	Method	TBLASTX:Maize
Start	1791	End	2383
GI	none	Score	112
Exons	1791..1985, 1800..2030, 2025..2294, 2062..2295, 2300..2383		
Seq. No.	16092	Seq. ID	OJ990907_13.9B22.C1
Gene No.	34001	Strand	-
Start	1704	End	6359
Name	OJ990907_13.9B22.C1.o1.tw	Method	TBLASTX:Wheat
Start	1971	End	2306
GI	none	Score	158
Exons	1971..2306, 2053..2292, 2226..2300		
Seq. No.	16092	Seq. ID	OJ990907_13.9B22.C1
Gene No.	34001	Strand	-

Start	1704	End	6359
Name	OJ990907_13.9B22.C1.o2.gs	Method	GENSCAN
Start	3144	End	3500
GI	none	Score	1
Exons	3144..3500		

Seq. No.	16092	Seq. ID	OJ990907_13.9B22.C1
Gene No.	34001	Strand	-
Start	1704	End	6359
Name	OJ990907_13.9B22.C1.o3.gs	Method	GENSCAN
Start	4340	End	6249
GI	none	Score	.56
Exons	4340..4368, 4405..4488, 6088..6249		

Seq. No.	16092	Seq. ID	OJ990907_13.9B22.C1
Gene No.	34001	Strand	-
Start	1704	End	6359
Name	OJ990907_13.9B22.C1.o3.tw	Method	TBLASTX:Wheat
Start	5383	End	5776
GI	none	Score	51
Exons	5383..5487, 5384..5464, 5504..5776, 5526..5732		

Seq. No.	16092	Seq. ID	OJ990907_13.9B22.C1
Gene No.	34001	Strand	-
Start	1704	End	6359
Name	OJ990907_13.9B22.C1.o1.tm	Method	TBLASTX:Maize
Start	5393	End	6031
GI	none	Score	109
Exons	5393..5503, 5394..5486, 5395..5517, 5395..5502, 5496..5585, 5504..6031, 5523..5927		

Seq. No.	16092	Seq. ID	OJ990907_13.9B22.C1
Gene No.	34001	Strand	-
Start	1704	End	6359
Name	OJ990907_13.9B22.C1.o1.ts	Method	TBLASTX:Soybean
Start	5624	End	6007
GI	none	Score	140
Exons	5624..6007, 5715..5891		

Seq. No.	16092	Seq. ID	OJ990907_13.9B22.C1
Gene No.	34001	Strand	-
Start	1704	End	6359
Name	OJ990907_13.9B22.C1.o2.tw	Method	TBLASTX:Wheat
Start	5864	End	6232
GI	none	Score	77
Exons	5864..6121, 5865..6095, 6122..6232		

Seq. No.	16092	Seq. ID	OJ990907_13.9B22.C1
Gene No.	34001	Strand	-
Start	1704	End	6359
Name	OJ990907_13.9B22.C1.o3.tm	Method	TBLASTX:Maize
Start	6032	End	6357
GI	none	Score	49
Exons	6032..6121, 6125..6232, 6182..6250, 6280..6357, 6289..6357		

Seq. No.	16093	Seq. ID	OJ990907_13.9B22.C2
Gene No.	34002	Strand	+

Start	4898	End	6136
Name	OJ990907_13.9B22.C2.o2.np	Method	AAT/NAP
Start	4898	End	6136
GI	4680203	Score	703
Exons	4898..5138, 5176..6136		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	16093	Seq. ID	OJ990907_13.9B22.C2
Gene No.	34003	Strand	-
Start	2324	End	6136
Name	OJ990907_13.9B22.C2.o1.np	Method	AAT/NAP
Start	2324	End	6136
GI	5852180	Score	423
Exons	2324..2747, 2776..2901, 3885..3937, 6105..6136		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	16093	Seq. ID	OJ990907_13.9B22.C2
Gene No.	34003	Strand	-
Start	2324	End	6136
Name	OJ990907_13.9B22.C2.o1.tc	Method	TBLASTX:Cress
Start	5266	End	5559
GI	none	Score	230
Exons	5266..5559		

Seq. No.	16093	Seq. ID	OJ990907_13.9B22.C2
Gene No.	34003	Strand	-
Start	2324	End	6136
Name	OJ990907_13.9B22.C2.o1.ts	Method	TBLASTX:Soybean
Start	5292	End	5529
GI	none	Score	213
Exons	5292..5528, 5293..5529		

Seq. No.	16093	Seq. ID	OJ990907_13.9B22.C2
Gene No.	34003	Strand	-
Start	2324	End	6136
Name	OJ990907_13.9B22.C2.o1.tm	Method	TBLASTX:Maize
Start	5376	End	5593
GI	none	Score	215
Exons	5376..5552, 5386..5559, 5561..5593		

Seq. No.	16093	Seq. ID	OJ990907_13.9B22.C2
Gene No.	34003	Strand	-
Start	2324	End	6136
Name	OJ990907_13.9B22.C2.o1.tw	Method	TBLASTX:Wheat
Start	5398	End	5701
GI	none	Score	161
Exons	5398..5559, 5406..5552, 5458..5574, 5564..5701, 5569..5667		

Seq. No.	16094	Seq. ID	OJ990907_13.9B22.C4
Gene No.	34004	Strand	-
Start	1	End	4986
Name	OJ990907_13.9B22.C4.o1.np	Method	AAT/NAP
Start	1	End	4986
GI	5091513	Score	768
Exons	1..911, 1572..1882, 4957..4986		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	16094	Seq. ID	OJ990907_13.9B22.C4
Gene No.	34004	Strand	-
Start	1	End	4986
Name	OJ990907_13.9B22.C4.o1.tm	Method	TBLASTX:Maize
Start	4150	End	4769
GI	none	Score	123
Exons	4150..4293, 4167..4268, 4374..4592, 4683..4769		

Seq. No.	16095	Seq. ID	OJ990907_13.9B22.C6
Gene No.	34005	Strand	+
Start	431	End	607
Name	OJ990907_13.9B22.C6.o1.gs	Method	GENSCAN
Start	431	End	607
GI	none	Score	.54
Exons	431..607		

Seq. No.	16096	Seq. ID	OJ990907_13.9B22.C7
Gene No.	34006	Strand	+
Start	4	End	491
Name	OJ990907_13.9B22.C7.o1.gs	Method	GENSCAN
Start	4	End	491
GI	none	Score	.68
Exons	4..67, 289..491		

Seq. No.	16096	Seq. ID	OJ990907_13.9B22.C7
Gene No.	34007	Strand	-
Start	1	End	178
Name	OJ990907_13.9B22.C7.o1.np	Method	AAT/NAP
Start	1	End	178
GI	6539588	Score	119
Exons	1..178		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	16097	Seq. ID	OJ990907_13.9B22.C8
Gene No.	34008	Strand	-
Start	328	End	716
Name	OJ990907_13.9B22.C8.o1.gs	Method	GENSCAN
Start	328	End	616
GI	none	Score	.5
Exons	328..616		

Seq. No.	16097	Seq. ID	OJ990907_13.9B22.C8
Gene No.	34008	Strand	-
Start	328	End	716
Name	OJ990907_13.9B22.C8.o1.np	Method	AAT/NAP
Start	346	End	716
GI	5042454	Score	228
Exons	346..716		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	16097	Seq. ID	OJ990907_13.9B22.C8
Gene No.	34008	Strand	-
Start	328	End	716
Name	OJ990907_13.9B22.C8.o1.tw	Method	TBLASTX:Wheat
Start	361	End	566
GI	none	Score	54
Exons	361..474, 363..473, 453..566, 463..555		

Seq. No.	16098	Seq. ID	OJ990907_13.9B22.C11
Gene No.	34009	Strand	+
Start	1	End	2431
Name	OJ990907_13.9B22.C11.o1.np	Method	AAT/NAP
Start	1	End	2428
GI	4680179	Score	3638
Exons	1..2428		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	16098	Seq. ID	OJ990907_13.9B22.C11
Gene No.	34009	Strand	+
Start	1	End	2431
Name	OJ990907_13.9B22.C11.o1.gs	Method	GENSCAN
Start	17	End	2431
GI	none	Score	.71
Exons	17..254, 321..2431		

Seq. No.	16098	Seq. ID	OJ990907_13.9B22.C11
Gene No.	34010	Strand	+
Start	2935	End	6441
Name	OJ990907_13.9B22.C11.o1.ts	Method	TBLASTX:Soybean
Start	14	End	409
GI	none	Score	53
Exons	14..46, 14..46, 15..47, 50..94, 52..93, 67..219, 158..409, 166..399		

Seq. No.	16098	Seq. ID	OJ990907_13.9B22.C11
Gene No.	34010	Strand	+
Start	2935	End	6441
Name	OJ990907_13.9B22.C11.o4.tm	Method	TBLASTX:Maize
Start	158	End	490
GI	none	Score	301
Exons	158..490, 235..489		

Seq. No.	16098	Seq. ID	OJ990907_13.9B22.C11
Gene No.	34010	Strand	+
Start	2935	End	6441
Name	OJ990907_13.9B22.C11.o4.tw	Method	TBLASTX:Wheat
Start	161	End	424
GI	none	Score	364
Exons	161..424, 163..423		

Seq. No.	16098	Seq. ID	OJ990907_13.9B22.C11
Gene No.	34010	Strand	+
Start	2935	End	6441
Name	OJ990907_13.9B22.C11.o3.tw	Method	TBLASTX:Wheat
Start	425	End	850
GI	none	Score	593
Exons	425..850, 427..843, 500..850		

Seq. No.	16098	Seq. ID	OJ990907_13.9B22.C11
Gene No.	34010	Strand	+
Start	2935	End	6441
Name	OJ990907_13.9B22.C11.o3.ts	Method	TBLASTX:Soybean
Start	431	End	679
GI	none	Score	206

Exons	431..679		
Seq. No.	16098	Seq. ID	OJ990907_13.9B22.C11
Gene No.	34010	Strand	+
Start	2935	End	6441
Name	OJ990907_13.9B22.C11.o2.tm	Method	TBLASTX:Maize
Start	497	End	850
GI	none	Score	460
Exons	497..850, 502..843		
Seq. No.	16098	Seq. ID	OJ990907_13.9B22.C11
Gene No.	34010	Strand	+
Start	2935	End	6441
Name	OJ990907_13.9B22.C11.o2.tw	Method	TBLASTX:Wheat
Start	878	End	1417
GI	none	Score	626
Exons	878..1417, 1042..1413		
Seq. No.	16098	Seq. ID	OJ990907_13.9B22.C11
Gene No.	34010	Strand	+
Start	2935	End	6441
Name	OJ990907_13.9B22.C11.o1.tc	Method	TBLASTX:Cress
Start	1115	End	1441
GI	none	Score	90
Exons	1115..1297, 1298..1441, 1300..1440		
Seq. No.	16098	Seq. ID	OJ990907_13.9B22.C11
Gene No.	34010	Strand	+
Start	2935	End	6441
Name	OJ990907_13.9B22.C11.o2.ts	Method	TBLASTX:Soybean
Start	1205	End	1465
GI	none	Score	301
Exons	1205..1465, 1216..1464		
Seq. No.	16098	Seq. ID	OJ990907_13.9B22.C11
Gene No.	34010	Strand	+
Start	2935	End	6441
Name	OJ990907_13.9B22.C11.o3.tm	Method	TBLASTX:Maize
Start	1263	End	1555
GI	none	Score	81
Exons	1263..1364, 1264..1551, 1265..1555, 1397..1552		
Seq. No.	16098	Seq. ID	OJ990907_13.9B22.C11
Gene No.	34010	Strand	+
Start	2935	End	6441
Name	OJ990907_13.9B22.C11.o1.tw	Method	TBLASTX:Wheat
Start	1424	End	2050
GI	none	Score	721
Exons	1424..2050, 1480..1932, 1990..2049		
Seq. No.	16098	Seq. ID	OJ990907_13.9B22.C11
Gene No.	34010	Strand	+
Start	2935	End	6441
Name	OJ990907_13.9B22.C11.o1.tm	Method	TBLASTX:Maize
Start	1603	End	2188
GI	none	Score	229
Exons	1603..1758, 1604..1765, 1762..1935, 1763..2188, 1925..2167,		

1990..2187

Seq. No.	16098	Seq. ID	OJ990907_13.9B22.C11
Gene No.	34010	Strand	+
Start	2935	End	6441
Name	OJ990907_13.9B22.C11.o5.tw	Method	TBLASTX:Wheat
Start	2050	End	2332
GI	none	Score	307
Exons	2050..2331, 2051..2332		

Seq. No.	16098	Seq. ID	OJ990907_13.9B22.C11
Gene No.	34010	Strand	+
Start	2935	End	6441
Name	OJ990907_13.9B22.C11.o2.gs	Method	GENSCAN
Start	2935	End	5777
GI	none	Score	.45
Exons	2935..3164, 3169..3421, 3495..3660, 5424..5777		

Seq. No.	16098	Seq. ID	OJ990907_13.9B22.C11
Gene No.	34010	Strand	+
Start	2935	End	6441
Name	OJ990907_13.9B22.C11.o2.np	Method	AAT/NAP
Start	3192	End	4766
GI	6063554	Score	188
Exons	3192..3437, 4590..4766		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	16098	Seq. ID	OJ990907_13.9B22.C11
Gene No.	34010	Strand	+
Start	2935	End	6441
Name	OJ990907_13.9B22.C11.o3.np	Method	AAT/NAP
Start	3934	End	6441
GI	6907086	Score	723
Exons	3934..3981, 5441..5841, 5899..6081, 6322..6441		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	16098	Seq. ID	OJ990907_13.9B22.C11
Gene No.	34010	Strand	+
Start	2935	End	6441
Name	OJ990907_13.9B22.C11.o1.gp	Method	AAT/GAP
Start	4171	End	4606
GI	2428185	Score	701
Exons	4171..4606		
GI Descrip.	5852170/emb\|AL117265.1\|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	16099	Seq. ID	OJ990907_13.9B22.C12
Gene No.	34011	Strand	-
Start	193	End	592
Name	OJ990907_13.9B22.C12.o1.gs	Method	GENSCAN
Start	193	End	592
GI	none	Score	.75
Exons	193..464, 497..592		

Seq. No.	16100	Seq. ID	OJ990907_13.9B22.C13

Gene No.	34012	Strand	+
Start	1	End	1707
Name	OJ990907_13.9B22.C13.o1.np	Method	AAT/NAP
Start	1	End	1707
GI	6721512	Score	73
Exons	1..23, 1094..1212, 1610..1707		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	16100	Seq. ID	OJ990907_13.9B22.C13
Gene No.	34013	Strand	-
Start	84	End	1657
Name	OJ990907_13.9B22.C13.o1.gs	Method	GENSCAN
Start	84	End	1657
GI	none	Score	.74
Exons	84..210, 369..421, 733..1162, 1297..1436, 1489..1657		

Seq. No.	16101	Seq. ID	OJ990907_13.9B22.C14
Gene No.	34014	Strand	+
Start	2076	End	2619
Name	OJ990907_13.9B22.C14.o1.gs	Method	GENSCAN
Start	2076	End	2619
GI	none	Score	.79
Exons	2076..2167, 2550..2619		

Seq. No.	16101	Seq. ID	OJ990907_13.9B22.C14
Gene No.	34015	Strand	-
Start	4009	End	4206
Name	OJ990907_13.9B22.C14.o2.gs	Method	GENSCAN
Start	4009	End	4206
GI	none	Score	.58
Exons	4009..4206		

Seq. No.	16102	Seq. ID	OJ990907_13.9B22.C15
Gene No.	34016	Strand	-
Start	1580	End	1978
Name	OJ990907_13.9B22.C15.o2.tm	Method	TBLASTX:Maize
Start	1240	End	1579
GI	none	Score	39
Exons	1240..1314, 1253..1294, 1301..1579, 1365..1565		

Seq. No.	16102	Seq. ID	OJ990907_13.9B22.C15
Gene No.	34016	Strand	-
Start	1580	End	1978
Name	OJ990907_13.9B22.C15.o1.np	Method	AAT/NAP
Start	1580	End	1978
GI	4416302	Score	430
Exons	1580..1978		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	16102	Seq. ID	OJ990907_13.9B22.C15
Gene No.	34016	Strand	-
Start	1580	End	1978
Name	OJ990907_13.9B22.C15.o1.tm	Method	TBLASTX:Maize
Start	1580	End	1934
GI	none	Score	119
Exons	1580..1741, 1581..1721, 1721..1933, 1725..1934		

Seq. No.	16102	Seq. ID	OJ990907_13.9B22.C15
Gene No.	34016	Strand	-
Start	1580	End	1978
Name	OJ990907_13.9B22.C15.o1.ts	Method	TBLASTX:Soybean
Start	1599	End	1966
GI	5509260	Score	108
Exons	1599..1721, 1604..1741, 1716..1859, 1721..1792, 1721..1966, 1725..1964		
GI Descrip.	-		

Seq. No.	16102	Seq. ID	OJ990907_13.9B22.C15
Gene No.	34016	Strand	-
Start	1580	End	1978
Name	OJ990907_13.9B22.C15.o1.tw	Method	TBLASTX:Wheat
Start	1613	End	1957
GI	none	Score	84
Exons	1613..1741, 1623..1721, 1716..1784, 1724..1957, 1725..1790, 1812..1949, 1823..1951		

Seq. No.	16102	Seq. ID	OJ990907_13.9B22.C15
Gene No.	34016	Strand	-
Start	1580	End	1978
Name	OJ990907_13.9B22.C15.o1.tc	Method	TBLASTX:Cress
Start	1724	End	1966
GI	none	Score	61
Exons	1724..1966, 1727..1963		

Seq. No.	16103	Seq. ID	OJ990907_13.9B22.C16
Gene No.	34017	Strand	+
Start	229	End	1018
Name	OJ990907_13.9B22.C16.o1.gs	Method	GENSCAN
Start	229	End	1018
GI	none	Score	.99
Exons	229..459, 539..1018		

Seq. No.	16103	Seq. ID	OJ990907_13.9B22.C16
Gene No.	34017	Strand	+
Start	229	End	1018
Name	OJ990907_13.9B22.C16.o1.np	Method	AAT/NAP
Start	229	End	1015
GI	4512231	Score	1291
Exons	229..1015		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	16104	Seq. ID	OJ990907_13.9B22.C17
Gene No.	34018	Strand	+
Start	1	End	741
Name	OJ990907_13.9B22.C17.o1.np	Method	AAT/NAP
Start	1	End	741
GI	4680179	Score	828
Exons	1..741		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	16104	Seq. ID	OJ990907_13.9B22.C17
Gene No.	34018	Strand	+
Start	1	End	741
Name	OJ990907_13.9B22.C17.o1.tw	Method	TBLASTX:Wheat

Start	32	End	385
GI	none	Score	253
Exons	32..385, 122..310		

Seq. No.	16104	Seq. ID	OJ990907_13.9B22.C17
Gene No.	34018	Strand	+
Start	1	End	741
Name	OJ990907_13.9B22.C17.o2.tw	Method	TBLASTX:Wheat
Start	517	End	741
GI	none	Score	222
Exons	517..741, 518..739		

Seq. No.	16104	Seq. ID	OJ990907_13.9B22.C17
Gene No.	34018	Strand	+
Start	1	End	741
Name	OJ990907_13.9B22.C17.o1.tm	Method	TBLASTX:Maize
Start	527	End	741
GI	none	Score	230
Exons	527..739, 577..741		

Seq. No.	16105	Seq. ID	OJ990907_13.9B22.C18
Gene No.	34019	Strand	-
Start	189	End	548
Name	OJ990907_13.9B22.C18.o1.gs	Method	GENSCAN
Start	189	End	548
GI	none	Score	.4
Exons	189..548		

Seq. No.	16106	Seq. ID	OJ990907_13.9B22.C19
Gene No.	34020	Strand	-
Start	321	End	358
Name	OJ990907_13.9B22.C19.o1.gs	Method	GENSCAN
Start	321	End	358
GI	none	Score	.89
Exons	321..358		

Seq. No.	16107	Seq. ID	OJ990907_13.9B22.C21
Gene No.	34021	Strand	-
Start	1	End	903
Name	OJ990907_13.9B22.C21.o1.np	Method	AAT/NAP
Start	1	End	903
GI	130582	Score	505
Exons	1..903		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi\|100342\|pir\|\|S04273 hypothetical protein - common tobacco gi\|20045\|emb\|CAA32025\| (X13777) ORF [Nicotiana tabacum]		

Seq. No.	16108	Seq. ID	OJ990907_13.9B22.C22
Gene No.	34022	Strand	+
Start	12	End	8247
Name	OJ990907_13.9B22.C22.o1.gs	Method	GENSCAN
Start	12	End	4711
GI	none	Score	.56
Exons	12..43, 221..376, 1554..1596, 2009..2215, 2269..3130, 3238..3350, 3443..4711		

Seq. No.	16108	Seq. ID	OJ990907_13.9B22.C22
Gene No.	34022	Strand	+
Start	12	End	8247
Name	OJ990907_13.9B22.C22.o2.np	Method	AAT/NAP
Start	2792	End	8244
GI	6498441	Score	7070
Exons	2792..3854, 4185..4648, 4712..5085, 5269..5403, 5577..6300, 6472..7869, 7963..8244		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	16108	Seq. ID	OJ990907_13.9B22.C22
Gene No.	34022	Strand	+
Start	12	End	8247
Name	OJ990907_13.9B22.C22.o2.gs	Method	GENSCAN
Start	4775	End	8247
GI	none	Score	.54
Exons	4775..5526, 5685..7211, 7431..7692, 7801..8247		

Seq. No.	16108	Seq. ID	OJ990907_13.9B22.C22
Gene No.	34023	Strand	-
Start	1	End	346
Name	OJ990907_13.9B22.C22.o1.np	Method	AAT/NAP
Start	1	End	346
GI	6539586	Score	361
Exons	1..101, 145..346		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	16108	Seq. ID	OJ990907_13.9B22.C22
Gene No.	34024	Strand	-
Start	8868	End	11056
Name	OJ990907_13.9B22.C22.o6.tw	Method	TBLASTX:Wheat
Start	2944	End	3332
GI	none	Score	54
Exons	2944..2988, 2995..3093, 3012..3092, 3060..3203, 3076..3204, 3219..3332		

Seq. No.	16108	Seq. ID	OJ990907_13.9B22.C22
Gene No.	34024	Strand	-
Start	8868	End	11056
Name	OJ990907_13.9B22.C22.o3.tw	Method	TBLASTX:Wheat
Start	4069	End	4555
GI	none	Score	374
Exons	4069..4206, 4070..4555, 4270..4524		

Seq. No.	16108	Seq. ID	OJ990907_13.9B22.C22
Gene No.	34024	Strand	-
Start	8868	End	11056
Name	OJ990907_13.9B22.C22.o1.tw	Method	TBLASTX:Wheat
Start	4719	End	5182
GI	none	Score	220
Exons	4719..5159, 4720..5175, 4721..5182, 4721..5176		

Seq. No.	16108	Seq. ID	OJ990907_13.9B22.C22
Gene No.	34024	Strand	-
Start	8868	End	11056

Name	OJ990907_13.9B22.C22.o3.ts	Method	TBLASTX:Soybean
Start	4760	End	5125
GI	none	Score	117
Exons	4760..4984, 4991..5125		

Seq. No.	16108	Seq. ID	OJ990907_13.9B22.C22
Gene No.	34024	Strand	-
Start	8868	End	11056
Name	OJ990907_13.9B22.C22.o1.tm	Method	TBLASTX:Maize
Start	4850	End	5206
GI	none	Score	388
Exons	4850..5206, 4885..5196, 5090..5206		

Seq. No.	16108	Seq. ID	OJ990907_13.9B22.C22
Gene No.	34024	Strand	-
Start	8868	End	11056
Name	OJ990907_13.9B22.C22.o3.tm	Method	TBLASTX:Maize
Start	5233	End	5616
GI	none	Score	261
Exons	5233..5517, 5234..5518, 5509..5616		

Seq. No.	16108	Seq. ID	OJ990907_13.9B22.C22
Gene No.	34024	Strand	-
Start	8868	End	11056
Name	OJ990907_13.9B22.C22.o2.tw	Method	TBLASTX:Wheat
Start	5291	End	5709
GI	none	Score	266
Exons	5291..5521, 5296..5520, 5509..5709, 5529..5705		

Seq. No.	16108	Seq. ID	OJ990907_13.9B22.C22
Gene No.	34024	Strand	-
Start	8868	End	11056
Name	OJ990907_13.9B22.C22.o1.ts	Method	TBLASTX:Soybean
Start	5369	End	5739
GI	none	Score	139
Exons	5369..5512, 5386..5511, 5509..5739		

Seq. No.	16108	Seq. ID	OJ990907_13.9B22.C22
Gene No.	34024	Strand	-
Start	8868	End	11056
Name	OJ990907_13.9B22.C22.o5.tw	Method	TBLASTX:Wheat
Start	6148	End	6606
GI	none	Score	53
Exons	6148..6402, 6152..6370, 6172..6423, 6237..6422, 6457..6606, 6466..6591, 6468..6605		

Seq. No.	16108	Seq. ID	OJ990907_13.9B22.C22
Gene No.	34024	Strand	-
Start	8868	End	11056
Name	OJ990907_13.9B22.C22.o2.ts	Method	TBLASTX:Soybean
Start	6295	End	6861
GI	5666795	Score	67
Exons	6295..6393, 6469..6606, 6661..6861		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	16108	Seq. ID	OJ990907_13.9B22.C22
Gene No.	34024	Strand	-

Start	8868	End	11056
Name	OJ990907_13.9B22.C22.o8.tw	Method	TBLASTX:Wheat
Start	6609	End	6921
GI	none	Score	188
Exons	6609..6707, 6661..6921		

Seq. No.	16108	Seq. ID	OJ990907_13.9B22.C22
Gene No.	34024	Strand	-
Start	8868	End	11056
Name	OJ990907_13.9B22.C22.o2.tm	Method	TBLASTX:Maize
Start	7114	End	7446
GI	none	Score	358
Exons	7114..7437, 7143..7424, 7234..7446		

Seq. No.	16108	Seq. ID	OJ990907_13.9B22.C22
Gene No.	34024	Strand	-
Start	8868	End	11056
Name	OJ990907_13.9B22.C22.o4.tw	Method	TBLASTX:Wheat
Start	7251	End	7632
GI	none	Score	373
Exons	7251..7601, 7252..7632		

Seq. No.	16108	Seq. ID	OJ990907_13.9B22.C22
Gene No.	34024	Strand	-
Start	8868	End	11056
Name	OJ990907_13.9B22.C22.o7.tw	Method	TBLASTX:Wheat
Start	7633	End	8235
GI	none	Score	241
Exons	7633..7917, 7638..7916, 8109..8231, 8110..8235		

Seq. No.	16108	Seq. ID	OJ990907_13.9B22.C22
Gene No.	34024	Strand	-
Start	8868	End	11056
Name	OJ990907_13.9B22.C22.o3.gs	Method	GENSCAN
Start	8868	End	11056
GI	none	Score	.89
Exons	8868..9412, 9568..10860, 10927..11056		

Seq. No.	16108	Seq. ID	OJ990907_13.9B22.C22
Gene No.	34024	Strand	-
Start	8868	End	11056
Name	OJ990907_13.9B22.C22.o3.np	Method	AAT/NAP
Start	8871	End	11056
GI	6907089	Score	2143
Exons	8871..11056		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	16109	Seq. ID	OJ990907_13.9B22.C23
Gene No.	34025	Strand	-
Start	213	End	3176
Name	OJ990907_13.9B22.C23.o1.gs	Method	GENSCAN
Start	213	End	2574
GI	none	Score	.86
Exons	213..343, 920..1900, 1987..2366, 2459..2574		

Seq. No.	16109	Seq. ID	OJ990907_13.9B22.C23
Gene No.	34025	Strand	-

Start	213	End	3176
Name	OJ990907_13.9B22.C23.o1.np	Method	AAT/NAP
Start	216	End	3176
GI	6478936	Score	1442
Exons	216..343, 920..1900, 1990..2366, 2459..2613, 3084..3176		
GI Descrip.	(AC011436) putative laccase [Arabidopsis thaliana]		

Seq. No.	16109	Seq. ID	OJ990907_13.9B22.C23
Gene No.	34025	Strand	-
Start	213	End	3176
Name	OJ990907_13.9B22.C23.o1.tm	Method	TBLASTX:Maize
Start	222	End	1314
GI	none	Score	105
Exons	222..344, 223..345, 909..1313, 919..1314		

Seq. No.	16109	Seq. ID	OJ990907_13.9B22.C23
Gene No.	34025	Strand	-
Start	213	End	3176
Name	OJ990907_13.9B22.C23.o2.ts	Method	TBLASTX:Soybean
Start	288	End	1397
GI	none	Score	180
Exons	288..374, 885..1169, 886..1176, 1179..1397		

Seq. No.	16109	Seq. ID	OJ990907_13.9B22.C23
Gene No.	34025	Strand	-
Start	213	End	3176
Name	OJ990907_13.9B22.C23.o2.tc	Method	TBLASTX:Cress
Start	1113	End	1859
GI	none	Score	52
Exons	1113..1175, 1114..1185, 1206..1289, 1278..1439, 1294..1428, 1482..1571, 1504..1572, 1635..1670, 1722..1859		

Seq. No.	16109	Seq. ID	OJ990907_13.9B22.C23
Gene No.	34025	Strand	-
Start	213	End	3176
Name	OJ990907_13.9B22.C23.o2.tm	Method	TBLASTX:Maize
Start	1722	End	2261
GI	none	Score	61
Exons	1722..1898, 1723..1899, 1997..2146, 1998..2126, 2171..2260, 2172..2261		

Seq. No.	16109	Seq. ID	OJ990907_13.9B22.C23
Gene No.	34025	Strand	-
Start	213	End	3176
Name	OJ990907_13.9B22.C23.o3.ts	Method	TBLASTX:Soybean
Start	1722	End	1901
GI	none	Score	82
Exons	1722..1901, 1723..1893		

Seq. No.	16109	Seq. ID	OJ990907_13.9B22.C23
Gene No.	34025	Strand	-
Start	213	End	3176
Name	OJ990907_13.9B22.C23.o1.ts	Method	TBLASTX:Soybean
Start	2027	End	2572
GI	none	Score	52
Exons	2027..2167, 2028..2123, 2169..2366, 2171..2365, 2458..2559, 2459..2572		

Seq. No.	16109	Seq. ID	OJ990907_13.9B22.C23
Gene No.	34025	Strand	-
Start	213	End	3176
Name	OJ990907_13.9B22.C23.o1.tw	Method	TBLASTX:Wheat
Start	2069	End	2365
GI	none	Score	211
Exons	2069..2164, 2166..2342, 2171..2365, 2172..2363		

Seq. No.	16109	Seq. ID	OJ990907_13.9B22.C23
Gene No.	34025	Strand	-
Start	213	End	3176
Name	OJ990907_13.9B22.C23.o1.gp	Method	AAT/GAP
Start	2131	End	2276
GI	uC-osf1M202075b09b1	Score	269
Exons	2131..2276		
GI Descrip.	'3335357 4.0e-11 (AC003028) putative diphenol oxidase [Arabidopsis thaliana] >gi_4895177_gb_AAD32764.1_AC007661_1 (AC007661) putative diphenol oxidase [Arabidopsis thaliana]'		

Seq. No.	16109	Seq. ID	OJ990907_13.9B22.C23
Gene No.	34025	Strand	-
Start	213	End	3176
Name	OJ990907_13.9B22.C23.o1.tc	Method	TBLASTX:Cress
Start	2186	End	2569
GI	none	Score	117
Exons	2186..2365, 2187..2366, 2458..2559, 2459..2569		

Seq. No.	16110	Seq. ID	OJ990907_13.9B22.C24
Gene No.	34026	Strand	+
Start	247	End	1578
Name	OJ990907_13.9B22.C24.o1.gs	Method	GENSCAN
Start	247	End	1578
GI	none	Score	.46
Exons	247..314, 960..1099, 1421..1578		

Seq. No.	16110	Seq. ID	OJ990907_13.9B22.C24
Gene No.	34026	Strand	+
Start	247	End	1578
Name	OJ990907_13.9B22.C24.o1.gp	Method	AAT/GAP
Start	579	End	737
GI	uC-osflcyp104c12a1	Score	215
Exons	579..737		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 3.0e-29 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	16111	Seq. ID	OJ990907_13.9B22.C25
Gene No.	34027	Strand	+
Start	1	End	606
Name	OJ990907_13.9B22.C25.o1.np	Method	AAT/NAP
Start	1	End	606
GI	4335731	Score	155
Exons	1..21, 118..606		
GI Descrip.	(AC006248) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	16111	Seq. ID	OJ990907_13.9B22.C25

Gene No.	34027	Strand	+
Start	1	End	606
Name	OJ990907_13.9B22.C25.o1.gs	Method	GENSCAN
Start	124	End	560
GI	none	Score	.54
Exons	124..560		

Seq. No.	16112	Seq. ID	OJ990907_13.9B22.C26
Gene No.	34028	Strand	+
Start	1	End	546
Name	OJ990907_13.9B22.C26.o1.np	Method	AAT/NAP
Start	1	End	546
GI	4680179	Score	348
Exons	1..546		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	16112	Seq. ID	OJ990907_13.9B22.C26
Gene No.	34028	Strand	+
Start	1	End	546
Name	OJ990907_13.9B22.C26.o1.gs	Method	GENSCAN
Start	2	End	440
GI	none	Score	.85
Exons	2..440		

Seq. No.	16112	Seq. ID	OJ990907_13.9B22.C26
Gene No.	34028	Strand	+
Start	1	End	546
Name	OJ990907_13.9B22.C26.o1.tw	Method	TBLASTX:Wheat
Start	5	End	265
GI	none	Score	201
Exons	5..265		

Seq. No.	16113	Seq. ID	OJ990907_13.9B22.C27
Gene No.	34029	Strand	+
Start	1	End	838
Name	OJ990907_13.9B22.C27.o1.np	Method	AAT/NAP
Start	1	End	838
GI	4680179	Score	521
Exons	1..673, 778..838		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	16113	Seq. ID	OJ990907_13.9B22.C27
Gene No.	34029	Strand	+
Start	1	End	838
Name	OJ990907_13.9B22.C27.o1.tw	Method	TBLASTX:Wheat
Start	39	End	398
GI	none	Score	267
Exons	39..398, 41..334		

Seq. No.	16113	Seq. ID	OJ990907_13.9B22.C27
Gene No.	34029	Strand	+
Start	1	End	838
Name	OJ990907_13.9B22.C27.o1.gs	Method	GENSCAN
Start	96	End	804
GI	none	Score	.93
Exons	96..804		

Seq. No.	16113	Seq. ID	OJ990907_13.9B22.C27
Gene No.	34029	Strand	+
Start	1	End	838
Name	OJ990907_13.9B22.C27.o1.tm	Method	TBLASTX:Maize
Start	279	End	578
GI	none	Score	212
Exons	279..578, 290..382		

Seq. No.	16114	Seq. ID	OJ990907_13.9B22.C28
Gene No.	34030	Strand	-
Start	1	End	2495
Name	OJ990907_13.9B22.C28.o1.np	Method	AAT/NAP
Start	1	End	2495
GI	5852180	Score	188
Exons	1..20, 1545..1624, 2329..2495		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	16115	Seq. ID	OJ990907_13.9B22.C29
Gene No.	34031	Strand	+
Start	313	End	694
Name	OJ990907_13.9B22.C29.o1.gp	Method	AAT/GAP
Start	313	End	694
GI	uC-osflcyp033a04b1	Score	675
Exons	313..694		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	16115	Seq. ID	OJ990907_13.9B22.C29
Gene No.	34032	Strand	+
Start	2910	End	7349
Name	OJ990907_13.9B22.C29.o1.np	Method	AAT/NAP
Start	2910	End	7349
GI	4680179	Score	5328
Exons	2910..7349		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	16115	Seq. ID	OJ990907_13.9B22.C29
Gene No.	34033	Strand	+
Start	9603	End	10282
Name	OJ990907_13.9B22.C29.o3.gp	Method	AAT/GAP
Start	9425	End	9806
GI	uC-osflcyp033a04b1	Score	695
Exons	9425..9806		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	16115	Seq. ID	OJ990907_13.9B22.C29
Gene No.	34033	Strand	+
Start	9603	End	10282
Name	OJ990907_13.9B22.C29.o3.gs	Method	GENSCAN
Start	9603	End	10282
GI	none	Score	.91
Exons	9603..9678, 10245..10282		

Seq. No.	16115	Seq. ID	OJ990907_13.9B22.C29
Gene No.	34034	Strand	-
Start	7809	End	11831

Name	OJ990907_13.9B22.C29.o10.tw	Method	TBLASTX:Wheat
Start	3102	End	3361
GI	none	Score	207
Exons	3102..3149, 3162..3359, 3164..3361		

Seq. No.	16115	Seq. ID	OJ990907_13.9B22.C29
Gene No.	34034	Strand	-
Start	7809	End	11831
Name	OJ990907_13.9B22.C29.o8.tw	Method	TBLASTX:Wheat
Start	3395	End	3746
GI	none	Score	296
Exons	3395..3589, 3396..3746		

Seq. No.	16115	Seq. ID	OJ990907_13.9B22.C29
Gene No.	34034	Strand	-
Start	7809	End	11831
Name	OJ990907_13.9B22.C29.o7.tm	Method	TBLASTX:Maize
Start	3396	End	3701
GI	none	Score	236
Exons	3396..3701, 3410..3526		

Seq. No.	16115	Seq. ID	OJ990907_13.9B22.C29
Gene No.	34034	Strand	-
Start	7809	End	11831
Name	OJ990907_13.9B22.C29.o9.tw	Method	TBLASTX:Wheat
Start	4010	End	4412
GI	none	Score	134
Exons	4010..4183, 4011..4184, 4229..4342, 4230..4343, 4371..4412		

Seq. No.	16115	Seq. ID	OJ990907_13.9B22.C29
Gene No.	34034	Strand	-
Start	7809	End	11831
Name	OJ990907_13.9B22.C29.o9.tm	Method	TBLASTX:Maize
Start	4016	End	4294
GI	none	Score	184
Exons	4016..4108, 4017..4292, 4202..4294		

Seq. No.	16115	Seq. ID	OJ990907_13.9B22.C29
Gene No.	34034	Strand	-
Start	7809	End	11831
Name	OJ990907_13.9B22.C29.o5.tw	Method	TBLASTX:Wheat
Start	4508	End	4994
GI	none	Score	52
Exons	4508..4951, 4512..4562, 4617..4994		

Seq. No.	16115	Seq. ID	OJ990907_13.9B22.C29
Gene No.	34034	Strand	-
Start	7809	End	11831
Name	OJ990907_13.9B22.C29.o6.tm	Method	TBLASTX:Maize
Start	4523	End	4813
GI	none	Score	276
Exons	4523..4813, 4524..4811		

Seq. No.	16115	Seq. ID	OJ990907_13.9B22.C29
Gene No.	34034	Strand	-
Start	7809	End	11831
Name	OJ990907_13.9B22.C29.o3.tm	Method	TBLASTX:Maize

Start	4881	End	5381
GI	none	Score	166
Exons	4881..5060, 4889..5008, 5067..5381, 5207..5260, 5288..5338		

Seq. No.	16115	Seq. ID	OJ990907_13.9B22.C29
Gene No.	34034	Strand	-
Start	7809	End	11831
Name	OJ990907_13.9B22.C29.o1.ts	Method	TBLASTX:Soybean
Start	4935	End	5330
GI	none	Score	57
Exons	4935..4967, 4937..4966, 4971..5330, 4973..5008, 5039..5329		

Seq. No.	16115	Seq. ID	OJ990907_13.9B22.C29
Gene No.	34034	Strand	-
Start	7809	End	11831
Name	OJ990907_13.9B22.C29.o6.tw	Method	TBLASTX:Wheat
Start	5043	End	5345
GI	none	Score	382
Exons	5043..5345, 5045..5329		

Seq. No.	16115	Seq. ID	OJ990907_13.9B22.C29
Gene No.	34034	Strand	-
Start	7809	End	11831
Name	OJ990907_13.9B22.C29.o4.tw	Method	TBLASTX:Wheat
Start	5346	End	5768
GI	none	Score	578
Exons	5346..5768, 5378..5767		

Seq. No.	16115	Seq. ID	OJ990907_13.9B22.C29
Gene No.	34034	Strand	-
Start	7809	End	11831
Name	OJ990907_13.9B22.C29.o3.ts	Method	TBLASTX:Soybean
Start	5352	End	5597
GI	none	Score	191
Exons	5352..5597, 5354..5497		

Seq. No.	16115	Seq. ID	OJ990907_13.9B22.C29
Gene No.	34034	Strand	-
Start	7809	End	11831
Name	OJ990907_13.9B22.C29.o2.tm	Method	TBLASTX:Maize
Start	5417	End	5780
GI	none	Score	465
Exons	5417..5767, 5418..5771, 5418..5780		

Seq. No.	16115	Seq. ID	OJ990907_13.9B22.C29
Gene No.	34034	Strand	-
Start	7809	End	11831
Name	OJ990907_13.9B22.C29.o2.tw	Method	TBLASTX:Wheat
Start	5771	End	6338
GI	none	Score	656
Exons	5771..6337, 5775..6338		

Seq. No.	16115	Seq. ID	OJ990907_13.9B22.C29
Gene No.	34034	Strand	-
Start	7809	End	11831
Name	OJ990907_13.9B22.C29.o2.tc	Method	TBLASTX:Cress
Start	6045	End	6362

GI	none	Score	90
Exons	6045..6218, 6219..6362, 6221..6361		

Seq. No.	16115	Seq. ID	OJ990907_13.9B22.C29
Gene No.	34034	Strand	-
Start	7809	End	11831
Name	OJ990907_13.9B22.C29.o2.ts	Method	TBLASTX:Soybean
Start	6126	End	6386
GI	none	Score	296
Exons	6126..6386, 6131..6385		

Seq. No.	16115	Seq. ID	OJ990907_13.9B22.C29
Gene No.	34034	Strand	-
Start	7809	End	11831
Name	OJ990907_13.9B22.C29.o4.tm	Method	TBLASTX:Maize
Start	6185	End	6476
GI	none	Score	374
Exons	6185..6472, 6186..6476		

Seq. No.	16115	Seq. ID	OJ990907_13.9B22.C29
Gene No.	34034	Strand	-
Start	7809	End	11831
Name	OJ990907_13.9B22.C29.o1.tw	Method	TBLASTX:Wheat
Start	6345	End	6971
GI	none	Score	703
Exons	6345..6971, 6401..6859, 6717..6968		

Seq. No.	16115	Seq. ID	OJ990907_13.9B22.C29
Gene No.	34034	Strand	-
Start	7809	End	11831
Name	OJ990907_13.9B22.C29.o1.tm	Method	TBLASTX:Maize
Start	6525	End	7124
GI	none	Score	231
Exons	6525..6686, 6533..6679, 6684..7124, 6686..7108		

Seq. No.	16115	Seq. ID	OJ990907_13.9B22.C29
Gene No.	34034	Strand	-
Start	7809	End	11831
Name	OJ990907_13.9B22.C29.o7.tw	Method	TBLASTX:Wheat
Start	6971	End	7304
GI	none	Score	322
Exons	6971..7240, 6972..7304, 6975..7283		

Seq. No.	16115	Seq. ID	OJ990907_13.9B22.C29
Gene No.	34034	Strand	-
Start	7809	End	11831
Name	OJ990907_13.9B22.C29.o2.gs	Method	GENSCAN
Start	7809	End	8513
GI	none	Score	.97
Exons	7809..8513		

Seq. No.	16115	Seq. ID	OJ990907_13.9B22.C29
Gene No.	34034	Strand	-
Start	7809	End	11831
Name	OJ990907_13.9B22.C29.o2.np	Method	AAT/NAP
Start	8094	End	11831
GI	5852180	Score	595

Exons	8094..8506, 8558..8675, 9655..9720, 11776..11831		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		
Seq. No.	16115	Seq. ID	OJ990907_13.9B22.C29
Gene No.	34034	Strand	-
Start	7809	End	11831
Name	OJ990907_13.9B22.C29.o4.gs	Method	GENSCAN
Start	10500	End	11532
GI	none	Score	.59
Exons	10500..10622, 10707..10882, 11382..11532		
Seq. No.	16115	Seq. ID	OJ990907_13.9B22.C29
Gene No.	34034	Strand	-
Start	7809	End	11831
Name	OJ990907_13.9B22.C29.o3.tw	Method	TBLASTX:Wheat
Start	10753	End	11829
GI	none	Score	67
Exons	10753..10854, 10755..10856, 10872..10976, 10885..10956, 10977..11120, 10981..11112, 11165..11392, 11250..11315, 11404..11829, 11408..11653, 11497..11670		
Seq. No.	16115	Seq. ID	OJ990907_13.9B22.C29
Gene No.	34034	Strand	-
Start	7809	End	11831
Name	OJ990907_13.9B22.C29.o3.np	Method	AAT/NAP
Start	10755	End	11831
GI	4680203	Score	408
Exons	10755..11499, 11776..11831		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		
Seq. No.	16115	Seq. ID	OJ990907_13.9B22.C29
Gene No.	34034	Strand	-
Start	7809	End	11831
Name	OJ990907_13.9B22.C29.o8.tm	Method	TBLASTX:Maize
Start	10987	End	11278
GI	none	Score	90
Exons	10987..11097, 10989..11096, 11120..11278, 11121..11180		
Seq. No.	16115	Seq. ID	OJ990907_13.9B22.C29
Gene No.	34034	Strand	-
Start	7809	End	11831
Name	OJ990907_13.9B22.C29.o1.tc	Method	TBLASTX:Cress
Start	11171	End	11595
GI	none	Score	64
Exons	11171..11392, 11250..11315, 11404..11595, 11408..11587		
Seq. No.	16115	Seq. ID	OJ990907_13.9B22.C29
Gene No.	34034	Strand	-
Start	7809	End	11831
Name	OJ990907_13.9B22.C29.o5.tm	Method	TBLASTX:Maize
Start	11527	End	11830
GI	none	Score	205
Exons	11527..11829, 11528..11830		
Seq. No.	16115	Seq. ID	OJ990907_13.9B22.C29
Gene No.	34034	Strand	-
Start	7809	End	11831

Name	OJ990907_13.9B22.C29.o4.np	Method	AAT/NAP
Start	11536	End	11831
GI	4558686	Score	171
Exons	11536..11831		
GI Descrip.	(AC006586) putative TNP2-like transposon protein [Arabidopsis thaliana]		

Seq. No.	16116	Seq. ID	OJ990907_13.9B22.C30
Gene No.	34035	Strand	+
Start	1	End	802
Name	OJ990907_13.9B22.C30.o1.gp	Method	AAT/GAP
Start	1	End	323
GI	uC-osflcyp033a04b1	Score	565
Exons	1..323		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	16116	Seq. ID	OJ990907_13.9B22.C30
Gene No.	34035	Strand	+
Start	1	End	802
Name	OJ990907_13.9B22.C30.o1.gs	Method	GENSCAN
Start	120	End	802
GI	none	Score	.83
Exons	120..195, 765..802		

Seq. No.	16116	Seq. ID	OJ990907_13.9B22.C30
Gene No.	34036	Strand	-
Start	1	End	2285
Name	OJ990907_13.9B22.C30.o1.np	Method	AAT/NAP
Start	1	End	2285
GI	4680186	Score	162
Exons	1..75, 914..975, 2251..2285		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	16116	Seq. ID	OJ990907_13.9B22.C30
Gene No.	34036	Strand	-
Start	1	End	2285
Name	OJ990907_13.9B22.C30.o2.np	Method	AAT/NAP
Start	1093	End	1705
GI	6498441	Score	129
Exons	1093..1705		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	16116	Seq. ID	OJ990907_13.9B22.C30
Gene No.	34036	Strand	-
Start	1	End	2285
Name	OJ990907_13.9B22.C30.o2.gs	Method	GENSCAN
Start	1512	End	1964
GI	none	Score	.94
Exons	1512..1694, 1962..1964		

Seq. No.	16117	Seq. ID	OJ990907_13.9B22.C31
Gene No.	34037	Strand	-
Start	1	End	518
Name	OJ990907_13.9B22.C31.o1.np	Method	AAT/NAP

Start	1	End	518
GI	4539658	Score	67
Exons	1..27, 214..355, 489..518		
GI Descrip.	(AF061282) serine carboxypeptidase-like protein [Sorghum bicolor]		

Seq. No.	16118	Seq. ID	OJ990907_12.9B22.C2
Gene No.	34038	Strand	+
Start	3503	End	4525
Name	OJ990907_12.9B22.C2.o2.np	Method	AAT/NAP
Start	3503	End	4525
GI	4680186	Score	197
Exons	3503..3558, 4397..4525		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	16118	Seq. ID	OJ990907_12.9B22.C2
Gene No.	34039	Strand	-
Start	1290	End	4525
Name	OJ990907_12.9B22.C2.o1.tw	Method	TBLASTX:Wheat
Start	636	End	1769
GI	none	Score	67
Exons	636..737, 638..739, 755..859, 768..839, 860..1003, 864..995, 1048..1275, 1133..1198, 1287..1769, 1291..1536, 1380..1553		

Seq. No.	16118	Seq. ID	OJ990907_12.9B22.C2
Gene No.	34039	Strand	-
Start	1290	End	4525
Name	OJ990907_12.9B22.C2.o3.tm	Method	TBLASTX:Maize
Start	870	End	1161
GI	none	Score	90
Exons	870..980, 872..979, 1003..1161, 1004..1063		

Seq. No.	16118	Seq. ID	OJ990907_12.9B22.C2
Gene No.	34039	Strand	-
Start	1290	End	4525
Name	OJ990907_12.9B22.C2.o2.tc	Method	TBLASTX:Cress
Start	1054	End	1478
GI	none	Score	64
Exons	1054..1275, 1133..1198, 1287..1478, 1291..1470		

Seq. No.	16118	Seq. ID	OJ990907_12.9B22.C2
Gene No.	34039	Strand	-
Start	1290	End	4525
Name	OJ990907_12.9B22.C2.o1.np	Method	AAT/NAP
Start	1290	End	4525
GI	5911167	Score	1178
Exons	1290..2096, 2130..2951, 2979..3295, 4489..4525		
GI Descrip.	(AF136221) putative transposase protein [Zea mays]		

Seq. No.	16118	Seq. ID	OJ990907_12.9B22.C2
Gene No.	34039	Strand	-
Start	1290	End	4525
Name	OJ990907_12.9B22.C2.o1.tm	Method	TBLASTX:Maize
Start	1410	End	1793
GI	none	Score	147
Exons	1410..1631, 1410..1724, 1411..1716, 1725..1793		

Seq. No.	16118	Seq. ID	OJ990907_12.9B22.C2
Gene No.	34039	Strand	-
Start	1290	End	4525
Name	OJ990907_12.9B22.C2.o2.tw	Method	TBLASTX:Wheat
Start	2517	End	2825
GI	none	Score	115
Exons	2517..2765, 2523..2825, 2557..2817		

Seq. No.	16118	Seq. ID	OJ990907_12.9B22.C2
Gene No.	34039	Strand	-
Start	1290	End	4525
Name	OJ990907_12.9B22.C2.o1.tc	Method	TBLASTX:Cress
Start	2610	End	2957
GI	none	Score	60
Exons	2610..2957, 2671..2766, 2806..2856		

Seq. No.	16118	Seq. ID	OJ990907_12.9B22.C2
Gene No.	34039	Strand	-
Start	1290	End	4525
Name	OJ990907_12.9B22.C2.o2.tm	Method	TBLASTX:Maize
Start	2630	End	2847
GI	none	Score	129
Exons	2630..2821, 2631..2846, 2631..2837, 2641..2847		

Seq. No.	16118	Seq. ID	OJ990907_12.9B22.C2
Gene No.	34039	Strand	-
Start	1290	End	4525
Name	OJ990907_12.9B22.C2.o1.ts	Method	TBLASTX:Soybean
Start	2691	End	3134
GI	none	Score	139
Exons	2691..2930, 2692..2931, 3012..3134, 3013..3105		

Seq. No.	16118	Seq. ID	OJ990907_12.9B22.C2
Gene No.	34039	Strand	-
Start	1290	End	4525
Name	OJ990907_12.9B22.C2.o3.tw	Method	TBLASTX:Wheat
Start	2833	End	3302
GI	none	Score	45
Exons	2833..2940, 2835..2951, 3004..3225, 3012..3302		

Seq. No.	16119	Seq. ID	OJ990907_12.9B22.C4
Gene No.	34040	Strand	+
Start	2761	End	10783
Name	OJ990907_12.9B22.C4.o2.gs	Method	GENSCAN
Start	2761	End	7247
GI	none	Score	.54
Exons	2761..2865, 2903..3067, 3597..3664, 4090..4132, 4545..4751, 4805..5666, 5774..5886, 5979..7247		

Seq. No.	16119	Seq. ID	OJ990907_12.9B22.C4
Gene No.	34040	Strand	+
Start	2761	End	10783
Name	OJ990907_12.9B22.C4.o2.np	Method	AAT/NAP
Start	5328	End	10780
GI	6498441	Score	7070
Exons	5328..6390, 6721..7184, 7248..7621, 7805..7939, 8113..8836, 9008..10405, 10499..10780		

GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		
Seq. No.	16119	Seq. ID	OJ990907_12.9B22.C4
Gene No.	34040	Strand	+
Start	2761	End	10783
Name	OJ990907_12.9B22.C4.o3.gs	Method	GENSCAN
Start	7311	End	10783
GI	none	Score	.54
Exons	7311..8062, 8221..9747, 9967..10228, 10337..10783		
Seq. No.	16119	Seq. ID	OJ990907_12.9B22.C4
Gene No.	34041	Strand	-
Start	723	End	1771
Name	OJ990907_12.9B22.C4.o1.np	Method	AAT/NAP
Start	723	End	1771
GI	130582	Score	555
Exons	723..1771		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi\|100342\|pir\|\|S04273 hypothetical protein - common tobacco gi\|20045\|emb\|CAA32025\| (X13777) ORF [Nicotiana tabacum]		
Seq. No.	16119	Seq. ID	OJ990907_12.9B22.C4
Gene No.	34042	Strand	-
Start	11404	End	14011
Name	OJ990907_12.9B22.C4.o6.tw	Method	TBLASTX:Wheat
Start	5480	End	5868
GI	none	Score	54
Exons	5480..5524, 5531..5629, 5548..5628, 5596..5739, 5612..5740, 5755..5868		
Seq. No.	16119	Seq. ID	OJ990907_12.9B22.C4
Gene No.	34042	Strand	-
Start	11404	End	14011
Name	OJ990907_12.9B22.C4.o3.tw	Method	TBLASTX:Wheat
Start	6605	End	7091
GI	none	Score	374
Exons	6605..6742, 6606..7091, 6806..7060		
Seq. No.	16119	Seq. ID	OJ990907_12.9B22.C4
Gene No.	34042	Strand	-
Start	11404	End	14011
Name	OJ990907_12.9B22.C4.o1.tw	Method	TBLASTX:Wheat
Start	7256	End	7718
GI	none	Score	578
Exons	7256..7711, 7257..7718, 7257..7712		
Seq. No.	16119	Seq. ID	OJ990907_12.9B22.C4
Gene No.	34042	Strand	-
Start	11404	End	14011
Name	OJ990907_12.9B22.C4.o3.ts	Method	TBLASTX:Soybean
Start	7296	End	7661
GI	none	Score	117
Exons	7296..7520, 7527..7661		

Seq. No.	16119	Seq. ID	OJ990907_12.9B22.C4
Gene No.	34042	Strand	-
Start	11404	End	14011
Name	OJ990907_12.9B22.C4.o1.tm	Method	TBLASTX:Maize
Start	7386	End	7742
GI	none	Score	388
Exons	7386..7742, 7421..7732, 7626..7742		

Seq. No.	16119	Seq. ID	OJ990907_12.9B22.C4
Gene No.	34042	Strand	-
Start	11404	End	14011
Name	OJ990907_12.9B22.C4.o3.tm	Method	TBLASTX:Maize
Start	7769	End	8152
GI	none	Score	261
Exons	7769..8053, 7770..8054, 8045..8152		

Seq. No.	16119	Seq. ID	OJ990907_12.9B22.C4
Gene No.	34042	Strand	-
Start	11404	End	14011
Name	OJ990907_12.9B22.C4.o2.tw	Method	TBLASTX:Wheat
Start	7827	End	8245
GI	none	Score	266
Exons	7827..8057, 7832..8056, 8045..8245, 8065..8241		

Seq. No.	16119	Seq. ID	OJ990907_12.9B22.C4
Gene No.	34042	Strand	-
Start	11404	End	14011
Name	OJ990907_12.9B22.C4.o1.ts	Method	TBLASTX:Soybean
Start	7905	End	8275
GI	none	Score	139
Exons	7905..8048, 7922..8047, 8045..8275		

Seq. No.	16119	Seq. ID	OJ990907_12.9B22.C4
Gene No.	34042	Strand	-
Start	11404	End	14011
Name	OJ990907_12.9B22.C4.o5.tw	Method	TBLASTX:Wheat
Start	8684	End	9142
GI	none	Score	53
Exons	8684..8938, 8688..8906, 8708..8959, 8773..8958, 8993..9142, 9002..9127, 9004..9141		

Seq. No.	16119	Seq. ID	OJ990907_12.9B22.C4
Gene No.	34042	Strand	-
Start	11404	End	14011
Name	OJ990907_12.9B22.C4.o2.ts	Method	TBLASTX:Soybean
Start	8831	End	9397
GI	5666795	Score	67
Exons	8831..8929, 9005..9142, 9197..9397		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	16119	Seq. ID	OJ990907_12.9B22.C4
Gene No.	34042	Strand	-
Start	11404	End	14011
Name	OJ990907_12.9B22.C4.o8.tw	Method	TBLASTX:Wheat
Start	9145	End	9457
GI	none	Score	188
Exons	9145..9243, 9197..9457		

Seq. No.	16119	Seq. ID	OJ990907_12.9B22.C4
Gene No.	34042	Strand	-
Start	11404	End	14011
Name	OJ990907_12.9B22.C4.o2.tm	Method	TBLASTX:Maize
Start	9650	End	9982
GI	none	Score	358
Exons	9650..9973, 9679..9960, 9770..9982		

Seq. No.	16119	Seq. ID	OJ990907_12.9B22.C4
Gene No.	34042	Strand	-
Start	11404	End	14011
Name	OJ990907_12.9B22.C4.o4.tw	Method	TBLASTX:Wheat
Start	9787	End	10168
GI	none	Score	373
Exons	9787..10137, 9788..10168		

Seq. No.	16119	Seq. ID	OJ990907_12.9B22.C4
Gene No.	34042	Strand	-
Start	11404	End	14011
Name	OJ990907_12.9B22.C4.o7.tw	Method	TBLASTX:Wheat
Start	10169	End	10771
GI	none	Score	241
Exons	10169..10453, 10174..10452, 10645..10767, 10646..10771		

Seq. No.	16119	Seq. ID	OJ990907_12.9B22.C4
Gene No.	34042	Strand	-
Start	11404	End	14011
Name	OJ990907_12.9B22.C4.o4.gs	Method	GENSCAN
Start	11404	End	14011
GI	none	Score	.91
Exons	11404..11948, 12104..13396, 13463..13611, 13899..14011		

Seq. No.	16119	Seq. ID	OJ990907_12.9B22.C4
Gene No.	34042	Strand	-
Start	11404	End	14011
Name	OJ990907_12.9B22.C4.o3.np	Method	AAT/NAP
Start	11407	End	13592
GI	6907089	Score	2143
Exons	11407..13592		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	16120	Seq. ID	OJ990907_12.9B22.C5
Gene No.	34043	Strand	+
Start	452	End	675
Name	OJ990907_12.9B22.C5.o1.gs	Method	GENSCAN
Start	452	End	675
GI	none	Score	.75
Exons	452..622, 658..675		

Seq. No.	16120	Seq. ID	OJ990907_12.9B22.C5
Gene No.	34044	Strand	+
Start	8542	End	8700
Name	OJ990907_12.9B22.C5.o2.gp	Method	AAT/GAP
Start	8542	End	8700
GI	uC-osflcyp104c12a1	Score	215
Exons	8542..8700		

GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 3.0e-29 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	16120	Seq. ID	OJ990907_12.9B22.C5
Gene No.	34045	Strand	-
Start	1021	End	3984
Name	OJ990907_12.9B22.C5.o2.gs	Method	GENSCAN
Start	1021	End	3382
GI	none	Score	.86
Exons	1021..1151, 1728..2708, 2795..3174, 3267..3382		
Seq. No.	16120	Seq. ID	OJ990907_12.9B22.C5
Gene No.	34045	Strand	-
Start	1021	End	3984
Name	OJ990907_12.9B22.C5.o1.np	Method	AAT/NAP
Start	1024	End	3984
GI	6478936	Score	1442
Exons	1024..1151, 1728..2708, 2798..3174, 3267..3421, 3892..3984		
GI Descrip.	(AC011436) putative laccase [Arabidopsis thaliana]		
Seq. No.	16120	Seq. ID	OJ990907_12.9B22.C5
Gene No.	34045	Strand	-
Start	1021	End	3984
Name	OJ990907_12.9B22.C5.o1.gp	Method	AAT/GAP
Start	2939	End	3084
GI	uC-osf1M202075b09b1	Score	269
Exons	2939..3084		
GI Descrip.	'3335357 4.0e-11 (AC003028) putative diphenol oxidase [Arabidopsis thaliana] >gi_4895177_gb_AAD32764.1_AC007661_1 (AC007661) putative diphenol oxidase [Arabidopsis thaliana]'		
Seq. No.	16120	Seq. ID	OJ990907_12.9B22.C5
Gene No.	34046	Strand	-
Start	7662	End	7880
Name	OJ990907_12.9B22.C5.o1.tm	Method	TBLASTX:Maize
Start	1030	End	2122
GI	none	Score	105
Exons	1030..1152, 1031..1153, 1717..2121, 1727..2122		
Seq. No.	16120	Seq. ID	OJ990907_12.9B22.C5
Gene No.	34046	Strand	-
Start	7662	End	7880
Name	OJ990907_12.9B22.C5.o2.ts	Method	TBLASTX:Soybean
Start	1096	End	2205
GI	none	Score	180
Exons	1096..1182, 1693..1977, 1694..1984, 1987..2205		
Seq. No.	16120	Seq. ID	OJ990907_12.9B22.C5
Gene No.	34046	Strand	-
Start	7662	End	7880
Name	OJ990907_12.9B22.C5.o2.tc	Method	TBLASTX:Cress
Start	1921	End	2667
GI	none	Score	52
Exons	1921..1983, 1922..1993, 2014..2097, 2086..2247, 2102..2236, 2290..2379, 2312..2380, 2443..2478, 2530..2667		
Seq. No.	16120	Seq. ID	OJ990907_12.9B22.C5

Gene No.	34046	Strand	-
Start	7662	End	7880
Name	OJ990907_12.9B22.C5.o2.tm	Method	TBLASTX:Maize
Start	2530	End	3069
GI	none	Score	61
Exons	2530..2706, 2531..2707, 2805..2954, 2806..2934, 2979..3065, 2979..3068, 2980..3069		

Seq. No.	16120	Seq. ID	OJ990907_12.9B22.C5
Gene No.	34046	Strand	-
Start	7662	End	7880
Name	OJ990907_12.9B22.C5.o3.ts	Method	TBLASTX:Soybean
Start	2530	End	2709
GI	none	Score	82
Exons	2530..2709, 2531..2701		

Seq. No.	16120	Seq. ID	OJ990907_12.9B22.C5
Gene No.	34046	Strand	-
Start	7662	End	7880
Name	OJ990907_12.9B22.C5.o1.ts	Method	TBLASTX:Soybean
Start	2835	End	3380
GI	none	Score	52
Exons	2835..2975, 2836..2931, 2977..3174, 2979..3173, 2995..3174, 3266..3367, 3267..3380		

Seq. No.	16120	Seq. ID	OJ990907_12.9B22.C5
Gene No.	34046	Strand	-
Start	7662	End	7880
Name	OJ990907_12.9B22.C5.o1.tw	Method	TBLASTX:Wheat
Start	2877	End	3173
GI	none	Score	211
Exons	2877..2972, 2974..3150, 2979..3173, 2980..3171		

Seq. No.	16120	Seq. ID	OJ990907_12.9B22.C5
Gene No.	34046	Strand	-
Start	7662	End	7880
Name	OJ990907_12.9B22.C5.o1.tc	Method	TBLASTX:Cress
Start	2994	End	3377
GI	none	Score	117
Exons	2994..3173, 2995..3174, 3266..3367, 3267..3377		

Seq. No.	16120	Seq. ID	OJ990907_12.9B22.C5
Gene No.	34046	Strand	-
Start	7662	End	7880
Name	OJ990907_12.9B22.C5.o4.gs	Method	GENSCAN
Start	7662	End	7880
GI	none	Score	.69
Exons	7662..7880		

Seq. No.	16121	Seq. ID	OJ990907_12.9B22.C7
Gene No.	34047	Strand	+
Start	1	End	163
Name	OJ990907_12.9B22.C7.o1.np	Method	AAT/NAP
Start	1	End	163
GI	6721517	Score	177
Exons	1..163		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	16122	Seq. ID	OJ990907_12.9B22.C8
Gene No.	34048	Strand	+
Start	1	End	764
Name	OJ990907_12.9B22.C8.o1.np	Method	AAT/NAP
Start	1	End	764
GI	4512231	Score	1212
Exons	1..764		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	16122	Seq. ID	OJ990907_12.9B22.C8
Gene No.	34049	Strand	+
Start	709	End	3059
Name	OJ990907_12.9B22.C8.o2.np	Method	AAT/NAP
Start	709	End	3059
GI	4680179	Score	1963
Exons	709..754, 1034..2041, 2069..3059		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	16122	Seq. ID	OJ990907_12.9B22.C8
Gene No.	34049	Strand	+
Start	709	End	3059
Name	OJ990907_12.9B22.C8.o4.tw	Method	TBLASTX:Wheat
Start	1192	End	1390
GI	none	Score	203
Exons	1192..1389, 1193..1390		

Seq. No.	16122	Seq. ID	OJ990907_12.9B22.C8
Gene No.	34049	Strand	+
Start	709	End	3059
Name	OJ990907_12.9B22.C8.o2.tw	Method	TBLASTX:Wheat
Start	1441	End	1792
GI	none	Score	260
Exons	1441..1596, 1442..1792, 1563..1634		

Seq. No.	16122	Seq. ID	OJ990907_12.9B22.C8
Gene No.	34049	Strand	+
Start	709	End	3059
Name	OJ990907_12.9B22.C8.o2.tm	Method	TBLASTX:Maize
Start	1442	End	1780
GI	none	Score	190
Exons	1442..1780, 1468..1593		

Seq. No.	16122	Seq. ID	OJ990907_12.9B22.C8
Gene No.	34049	Strand	+
Start	709	End	3059
Name	OJ990907_12.9B22.C8.o2.gs	Method	GENSCAN
Start	1808	End	2976
GI	none	Score	.9
Exons	1808..2976		

Seq. No.	16122	Seq. ID	OJ990907_12.9B22.C8
Gene No.	34049	Strand	+
Start	709	End	3059
Name	OJ990907_12.9B22.C8.o3.tw	Method	TBLASTX:Wheat
Start	2126	End	2479
GI	none	Score	253

Exons	2126..2479, 2216..2404		
Seq. No.	16122	Seq. ID	OJ990907_12.9B22.C8
Gene No.	34049	Strand	+
Start	709	End	3059
Name	OJ990907_12.9B22.C8.o1.tw	Method	TBLASTX:Wheat
Start	2611	End	3052
GI	none	Score	495
Exons	2611..3051, 2612..3052		
Seq. No.	16122	Seq. ID	OJ990907_12.9B22.C8
Gene No.	34049	Strand	+
Start	709	End	3059
Name	OJ990907_12.9B22.C8.o1.tm	Method	TBLASTX:Maize
Start	2621	End	2913
GI	none	Score	325
Exons	2621..2911, 2671..2913		
Seq. No.	16122	Seq. ID	OJ990907_12.9B22.C8
Gene No.	34049	Strand	+
Start	709	End	3059
Name	OJ990907_12.9B22.C8.o1.ts	Method	TBLASTX:Soybean
Start	2648	End	2962
GI	none	Score	199
Exons	2648..2962		
Seq. No.	16123	Seq. ID	OJ990907_12.9B22.C9
Gene No.	34050	Strand	+
Start	1	End	2067
Name	OJ990907_12.9B22.C9.o1.np	Method	AAT/NAP
Start	1	End	2064
GI	4680179	Score	2866
Exons	1..2064		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	16123	Seq. ID	OJ990907_12.9B22.C9
Gene No.	34050	Strand	+
Start	1	End	2067
Name	OJ990907_12.9B22.C9.o1.gs	Method	GENSCAN
Start	3	End	2067
GI	none	Score	.72
Exons	3..346, 483..2067		
Seq. No.	16123	Seq. ID	OJ990907_12.9B22.C9
Gene No.	34051	Strand	+
Start	2571	End	6270
Name	OJ990907_12.9B22.C9.o3.tm	Method	TBLASTX:Maize
Start	3	End	353
GI	none	Score	404
Exons	3..338, 3..299, 11..307, 330..353		
Seq. No.	16123	Seq. ID	OJ990907_12.9B22.C9
Gene No.	34051	Strand	+
Start	2571	End	6270
Name	OJ990907_12.9B22.C9.o3.tw	Method	TBLASTX:Wheat
Start	20	End	356
GI	none	Score	449

Exons	20..355, 21..356, 48..356		
Seq. No.	16123	Seq. ID	OJ990907_12.9B22.C9
Gene No.	34051	Strand	+
Start	2571	End	6270
Name	OJ990907_12.9B22.C9.o2.ts	Method	TBLASTX:Soybean
Start	57	End	305
GI	none	Score	206
Exons	57..305		
Seq. No.	16123	Seq. ID	OJ990907_12.9B22.C9
Gene No.	34051	Strand	+
Start	2571	End	6270
Name	OJ990907_12.9B22.C9.o2.tw	Method	TBLASTX:Wheat
Start	514	End	1054
GI	none	Score	622
Exons	514..1053, 678..1049, 800..1054		
Seq. No.	16123	Seq. ID	OJ990907_12.9B22.C9
Gene No.	34051	Strand	+
Start	2571	End	6270
Name	OJ990907_12.9B22.C9.o1.tc	Method	TBLASTX:Cress
Start	751	End	1077
GI	none	Score	90
Exons	751..933, 934..1077, 936..1076		
Seq. No.	16123	Seq. ID	OJ990907_12.9B22.C9
Gene No.	34051	Strand	+
Start	2571	End	6270
Name	OJ990907_12.9B22.C9.o1.ts	Method	TBLASTX:Soybean
Start	841	End	1101
GI	none	Score	301
Exons	841..1101, 852..1100		
Seq. No.	16123	Seq. ID	OJ990907_12.9B22.C9
Gene No.	34051	Strand	+
Start	2571	End	6270
Name	OJ990907_12.9B22.C9.o2.tm	Method	TBLASTX:Maize
Start	900	End	1191
GI	none	Score	162
Exons	900..1187, 900..1187, 901..1191		
Seq. No.	16123	Seq. ID	OJ990907_12.9B22.C9
Gene No.	34051	Strand	+
Start	2571	End	6270
Name	OJ990907_12.9B22.C9.o1.tw	Method	TBLASTX:Wheat
Start	1060	End	1686
GI	none	Score	721
Exons	1060..1686, 1116..1568, 1626..1685		
Seq. No.	16123	Seq. ID	OJ990907_12.9B22.C9
Gene No.	34051	Strand	+
Start	2571	End	6270
Name	OJ990907_12.9B22.C9.o1.tm	Method	TBLASTX:Maize
Start	1239	End	1824
GI	none	Score	229
Exons	1239..1394, 1240..1401, 1398..1571, 1399..1824, 1561..1803,		

1626..1823

Seq. No.	16123	Seq. ID	OJ990907_12.9B22.C9
Gene No.	34051	Strand	+
Start	2571	End	6270
Name	OJ990907_12.9B22.C9.o4.tw	Method	TBLASTX:Wheat
Start	1686	End	1968
GI	none	Score	307
Exons	1686..1967, 1687..1968		

Seq. No.	16123	Seq. ID	OJ990907_12.9B22.C9
Gene No.	34051	Strand	+
Start	2571	End	6270
Name	OJ990907_12.9B22.C9.o2.gs	Method	GENSCAN
Start	2571	End	5413
GI	none	Score	.4
Exons	2571..2800, 2805..3057, 3131..3296, 5060..5413		

Seq. No.	16123	Seq. ID	OJ990907_12.9B22.C9
Gene No.	34051	Strand	+
Start	2571	End	6270
Name	OJ990907_12.9B22.C9.o2.np	Method	AAT/NAP
Start	2828	End	4402
GI	6063554	Score	188
Exons	2828..3073, 4226..4402		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	16123	Seq. ID	OJ990907_12.9B22.C9
Gene No.	34051	Strand	+
Start	2571	End	6270
Name	OJ990907_12.9B22.C9.o3.np	Method	AAT/NAP
Start	3565	End	6270
GI	6907086	Score	765
Exons	3565..3617, 5077..5477, 5535..5717, 5958..6065, 6180..6270		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	16123	Seq. ID	OJ990907_12.9B22.C9
Gene No.	34051	Strand	+
Start	2571	End	6270
Name	OJ990907_12.9B22.C9.o1.gp	Method	AAT/GAP
Start	3807	End	4242
GI	2428185	Score	701
Exons	3807..4242		
GI Descrip.	5852170/emb\|AL117265.1\|OST17804 1.0e-177 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	16124	Seq. ID	OJ990907_12.9B22.C10
Gene No.	34052	Strand	+
Start	1	End	112
Name	OJ990907_12.9B22.C10.o1.np	Method	AAT/NAP
Start	1	End	112
GI	6907086	Score	126
Exons	1..112		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	16124	Seq. ID	OJ990907_12.9B22.C10
Gene No.	34053	Strand	+
Start	548	End	1615
Name	OJ990907_12.9B22.C10.o2.np	Method	AAT/NAP
Start	548	End	1615
GI	6721512	Score	78
Exons	548..713, 1492..1615		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	16124	Seq. ID	OJ990907_12.9B22.C10
Gene No.	34054	Strand	-
Start	214	End	2790
Name	OJ990907_12.9B22.C10.o1.gs	Method	GENSCAN
Start	214	End	2790
GI	none	Score	.69
Exons	214..485, 518..613, 772..869, 1136..1447, 1492..1565, 1700..1890, 2011..2059, 2228..2334, 2694..2790		

Seq. No.	16125	Seq. ID	OJ990907_12.9B22.C11
Gene No.	34055	Strand	-
Start	1	End	1298
Name	OJ990907_12.9B22.C11.o1.np	Method	AAT/NAP
Start	1	End	1298
GI	6539588	Score	151
Exons	1..19, 992..1298		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	16125	Seq. ID	OJ990907_12.9B22.C11
Gene No.	34056	Strand	-
Start	2705	End	5059
Name	OJ990907_12.9B22.C11.o2.np	Method	AAT/NAP
Start	2705	End	5059
GI	6630685	Score	574
Exons	2705..2829, 4067..4733, 5025..5059		
GI Descrip.	(AP000969) Similar to copia-type pol polyprotein. (AF105716) [Oryza sativa]		

Seq. No.	16125	Seq. ID	OJ990907_12.9B22.C11
Gene No.	34056	Strand	-
Start	2705	End	5059
Name	OJ990907_12.9B22.C11.o2.tm	Method	TBLASTX:Maize
Start	3715	End	4043
GI	none	Score	102
Exons	3715..3819, 3806..4042, 3870..4043		

Seq. No.	16125	Seq. ID	OJ990907_12.9B22.C11
Gene No.	34056	Strand	-
Start	2705	End	5059
Name	OJ990907_12.9B22.C11.o1.tm	Method	TBLASTX:Maize
Start	4046	End	4438
GI	none	Score	128
Exons	4046..4225, 4084..4245, 4225..4437, 4229..4438		

Seq. No.	16125	Seq. ID	OJ990907_12.9B22.C11
Gene No.	34056	Strand	-
Start	2705	End	5059
Name	OJ990907_12.9B22.C11.o1.ts	Method	TBLASTX:Soybean

Start	4103	End	4713
GI	5509260	Score	111
Exons	4103..4225, 4108..4245, 4220..4363, 4225..4296, 4225..4641, 4229..4624, 4327..4650, 4663..4713, 4663..4713		
GI Descrip.	-		

Seq. No.	16125	Seq. ID	OJ990907_12.9B22.C11
Gene No.	34056	Strand	-
Start	2705	End	5059
Name	OJ990907_12.9B22.C11.o1.tw	Method	TBLASTX:Wheat
Start	4117	End	4585
GI	none	Score	85
Exons	4117..4245, 4127..4225, 4220..4288, 4228..4515, 4229..4294, 4316..4453, 4327..4455, 4495..4584, 4496..4585		

Seq. No.	16125	Seq. ID	OJ990907_12.9B22.C11
Gene No.	34056	Strand	-
Start	2705	End	5059
Name	OJ990907_12.9B22.C11.o1.tc	Method	TBLASTX:Cress
Start	4228	End	4494
GI	none	Score	62
Exons	4228..4479, 4231..4494		

Seq. No.	16126	Seq. ID	OJ990907_12.9B22.C12
Gene No.	34057	Strand	+
Start	212	End	288
Name	OJ990907_12.9B22.C12.o1.gs	Method	GENSCAN
Start	212	End	288
GI	none	Score	.67
Exons	212..288		

Seq. No.	16127	Seq. ID	OJ990907_12.9B22.C13
Gene No.	34058	Strand	-
Start	311	End	1908
Name	OJ990907_12.9B22.C13.o1.gs	Method	GENSCAN
Start	311	End	1889
GI	none	Score	.61
Exons	311..712, 917..1114, 1361..1554, 1624..1800, 1823..1889		

Seq. No.	16127	Seq. ID	OJ990907_12.9B22.C13
Gene No.	34058	Strand	-
Start	311	End	1908
Name	OJ990907_12.9B22.C13.o1.np	Method	AAT/NAP
Start	714	End	1908
GI	5091513	Score	726
Exons	714..809, 924..1908		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	16128	Seq. ID	OJ990907_12.9B22.C14
Gene No.	34059	Strand	+
Start	1312	End	3034
Name	OJ990907_12.9B22.C14.o2.np	Method	AAT/NAP
Start	1312	End	3034
GI	4585933	Score	53
Exons	1312..1341, 2693..2858, 2964..3034		
GI Descrip.	(AC007211) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	16128	Seq. ID	OJ990907_12.9B22.C14
Gene No.	34060	Strand	-
Start	802	End	1125
Name	OJ990907_12.9B22.C14.o1.np	Method	AAT/NAP
Start	802	End	1125
GI	5091513	Score	184
Exons	802..1125		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	16129	Seq. ID	OJ990907_12.9B22.C15
Gene No.	34061	Strand	+
Start	1	End	6153
Name	OJ990907_12.9B22.C15.o1.np	Method	AAT/NAP
Start	1	End	6153
GI	6466937	Score	1844
Exons	1..2481, 5445..6153		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	16129	Seq. ID	OJ990907_12.9B22.C15
Gene No.	34061	Strand	+
Start	1	End	6153
Name	OJ990907_12.9B22.C15.o2.gs	Method	GENSCAN
Start	4357	End	4713
GI	none	Score	1
Exons	4357..4713		

Seq. No.	16129	Seq. ID	OJ990907_12.9B22.C15
Gene No.	34062	Strand	-
Start	6047	End	6489
Name	OJ990907_12.9B22.C15.o6.tw	Method	TBLASTX:Wheat
Start	395	End	755
GI	none	Score	91
Exons	395..589, 490..588, 594..710, 596..691, 699..755		

Seq. No.	16129	Seq. ID	OJ990907_12.9B22.C15
Gene No.	34062	Strand	-
Start	6047	End	6489
Name	OJ990907_12.9B22.C15.o4.tm	Method	TBLASTX:Maize
Start	455	End	899
GI	none	Score	121
Exons	455..595, 460..588, 591..710, 621..689, 696..896, 698..898, 699..899		

Seq. No.	16129	Seq. ID	OJ990907_12.9B22.C15
Gene No.	34062	Strand	-
Start	6047	End	6489
Name	OJ990907_12.9B22.C15.o3.tw	Method	TBLASTX:Wheat
Start	758	End	1541
GI	none	Score	281
Exons	758..1087, 759..1076, 1420..1437, 1467..1541, 1480..1539		

Seq. No.	16129	Seq. ID	OJ990907_12.9B22.C15
Gene No.	34062	Strand	-
Start	6047	End	6489
Name	OJ990907_12.9B22.C15.o2.ts	Method	TBLASTX:Soybean
Start	821	End	1170

GI	none	Score	202
Exons	821..1060, 822..1088, 1081..1170		

Seq. No.	16129	Seq. ID	OJ990907_12.9B22.C15
Gene No.	34062	Strand	-
Start	6047	End	6489
Name	OJ990907_12.9B22.C15.o2.tm	Method	TBLASTX:Maize
Start	923	End	1518
GI	none	Score	167
Exons	923..1075, 924..1088, 1081..1446, 1086..1436, 1498..1518		

Seq. No.	16129	Seq. ID	OJ990907_12.9B22.C15
Gene No.	34062	Strand	-
Start	6047	End	6489
Name	OJ990907_12.9B22.C15.o5.tw	Method	TBLASTX:Wheat
Start	1090	End	1365
GI	none	Score	192
Exons	1090..1365, 1146..1328		

Seq. No.	16129	Seq. ID	OJ990907_12.9B22.C15
Gene No.	34062	Strand	-
Start	6047	End	6489
Name	OJ990907_12.9B22.C15.o3.ts	Method	TBLASTX:Soybean
Start	1204	End	1461
GI	none	Score	191
Exons	1204..1461, 1206..1355, 1261..1452		

Seq. No.	16129	Seq. ID	OJ990907_12.9B22.C15
Gene No.	34062	Strand	-
Start	6047	End	6489
Name	OJ990907_12.9B22.C15.o5.tm	Method	TBLASTX:Maize
Start	1447	End	1826
GI	none	Score	134
Exons	1447..1569, 1449..1577, 1608..1676, 1626..1733, 1737..1826		

Seq. No.	16129	Seq. ID	OJ990907_12.9B22.C15
Gene No.	34062	Strand	-
Start	6047	End	6489
Name	OJ990907_12.9B22.C15.o4.tw	Method	TBLASTX:Wheat
Start	1626	End	1994
GI	none	Score	51
Exons	1626..1736, 1736..1993, 1737..1994		

Seq. No.	16129	Seq. ID	OJ990907_12.9B22.C15
Gene No.	34062	Strand	-
Start	6047	End	6489
Name	OJ990907_12.9B22.C15.o1.tm	Method	TBLASTX:Maize
Start	1827	End	2464
GI	none	Score	699
Exons	1827..2462, 1931..2464, 2197..2463		

Seq. No.	16129	Seq. ID	OJ990907_12.9B22.C15
Gene No.	34062	Strand	-
Start	6047	End	6489
Name	OJ990907_12.9B22.C15.o1.ts	Method	TBLASTX:Soybean
Start	1851	End	2234
GI	none	Score	277

Exons	1851..2234, 1967..2143		
Seq. No.	16129	Seq. ID	OJ990907_12.9B22.C15
Gene No.	34062	Strand	-
Start	6047	End	6489
Name	OJ990907_12.9B22.C15.o2.tw	Method	TBLASTX:Wheat
Start	2082	End	2474
GI	none	Score	301
Exons	2082..2474, 2126..2473		
Seq. No.	16129	Seq. ID	OJ990907_12.9B22.C15
Gene No.	34062	Strand	-
Start	6047	End	6489
Name	OJ990907_12.9B22.C15.o3.tm	Method	TBLASTX:Maize
Start	5474	End	6066
GI	none	Score	86
Exons	5474..5557, 5562..5795, 5563..5832, 5827..6057, 5872..6066		
Seq. No.	16129	Seq. ID	OJ990907_12.9B22.C15
Gene No.	34062	Strand	-
Start	6047	End	6489
Name	OJ990907_12.9B22.C15.o1.tw	Method	TBLASTX:Wheat
Start	5551	End	5886
GI	none	Score	307
Exons	5551..5886, 5557..5631, 5565..5804		
Seq. No.	16129	Seq. ID	OJ990907_12.9B22.C15
Gene No.	34062	Strand	-
Start	6047	End	6489
Name	OJ990907_12.9B22.C15.o3.gs	Method	GENSCAN
Start	6047	End	6489
GI	none	Score	.79
Exons	6047..6061, 6431..6489		
Seq. No.	16130	Seq. ID	OJ990907_12.9B22.C16
Gene No.	34063	Strand	+
Start	483	End	6818
Name	OJ990907_12.9B22.C16.o1.gs	Method	GENSCAN
Start	483	End	6818
GI	none	Score	.53
Exons	483..585, 3329..3488, 3772..3949, 3984..4039, 4965..5170, 5413..5624, 6264..6368, 6636..6818		
Seq. No.	16130	Seq. ID	OJ990907_12.9B22.C16
Gene No.	34064	Strand	+
Start	9300	End	10004
Name	OJ990907_12.9B22.C16.o3.gs	Method	GENSCAN
Start	9300	End	10004
GI	none	Score	.97
Exons	9300..10004		
Seq. No.	16130	Seq. ID	OJ990907_12.9B22.C16
Gene No.	34065	Strand	+
Start	11555	End	17645
Name	OJ990907_12.9B22.C16.o3.np	Method	AAT/NAP
Start	11555	End	17645
GI	4680186	Score	384

Exons	11555..11590, 16274..16325, 17445..17645		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		
Seq. No.	16130	Seq. ID	OJ990907_12.9B22.C16
Gene No.	34066	Strand	-
Start	8006	End	8387
Name	OJ990907_12.9B22.C16.o1.gp	Method	AAT/GAP
Start	8006	End	8387
GI	uC-osflcyp033a04b1	Score	699
Exons	8006..8387		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	16130	Seq. ID	OJ990907_12.9B22.C16
Gene No.	34067	Strand	-
Start	10464	End	14981
Name	OJ990907_12.9B22.C16.o1.np	Method	AAT/NAP
Start	10464	End	14981
GI	4680179	Score	5353
Exons	10464..13865, 13899..14981		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	16130	Seq. ID	OJ990907_12.9B22.C16
Gene No.	34068	Strand	-
Start	17197	End	17578
Name	OJ990907_12.9B22.C16.o2.gp	Method	AAT/GAP
Start	17197	End	17578
GI	uC-osflcyp033a04b1	Score	667
Exons	17197..17578		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		
Seq. No.	16130	Seq. ID	OJ990907_12.9B22.C16
Gene No.	34069	Strand	-
Start	20759	End	21576
Name	OJ990907_12.9B22.C16.o10.tw	Method	TBLASTX:Wheat
Start	5463	End	6773
GI	none	Score	89
Exons	5463..5576, 5474..5566, 5555..5668, 5556..5666, 6627..6773		
Seq. No.	16130	Seq. ID	OJ990907_12.9B22.C16
Gene No.	34069	Strand	-
Start	20759	End	21576
Name	OJ990907_12.9B22.C16.o6.tw	Method	TBLASTX:Wheat
Start	10509	End	10842
GI	none	Score	111
Exons	10509..10841, 10530..10838, 10573..10842		
Seq. No.	16130	Seq. ID	OJ990907_12.9B22.C16
Gene No.	34069	Strand	-
Start	20759	End	21576
Name	OJ990907_12.9B22.C16.o1.tm	Method	TBLASTX:Maize
Start	10689	End	11288
GI	none	Score	114
Exons	10689..11129, 10704..10967, 10705..11127, 11127..11288, 11134..11280		

Seq. No.	16130	Seq. ID	OJ990907_12.9B22.C16
Gene No.	34069	Strand	-
Start	20759	End	21576
Name	OJ990907_12.9B22.C16.o1.tw	Method	TBLASTX:Wheat
Start	10842	End	11468
GI	none	Score	71
Exons	10842..11468, 10845..11096, 10954..11412		

Seq. No.	16130	Seq. ID	OJ990907_12.9B22.C16
Gene No.	34069	Strand	-
Start	20759	End	21576
Name	OJ990907_12.9B22.C16.o4.tm	Method	TBLASTX:Maize
Start	11337	End	11629
GI	none	Score	200
Exons	11337..11627, 11341..11628, 11441..11629		

Seq. No.	16130	Seq. ID	OJ990907_12.9B22.C16
Gene No.	34069	Strand	-
Start	20759	End	21576
Name	OJ990907_12.9B22.C16.o2.ts	Method	TBLASTX:Soybean
Start	11426	End	11687
GI	none	Score	132
Exons	11426..11608, 11427..11687, 11428..11682		

Seq. No.	16130	Seq. ID	OJ990907_12.9B22.C16
Gene No.	34069	Strand	-
Start	20759	End	21576
Name	OJ990907_12.9B22.C16.o1.tc	Method	TBLASTX:Cress
Start	11451	End	11768
GI	none	Score	93
Exons	11451..11594, 11452..11592, 11595..11768		

Seq. No.	16130	Seq. ID	OJ990907_12.9B22.C16
Gene No.	34069	Strand	-
Start	20759	End	21576
Name	OJ990907_12.9B22.C16.o2.tw	Method	TBLASTX:Wheat
Start	11475	End	12042
GI	none	Score	337
Exons	11475..12038, 11476..12042		

Seq. No.	16130	Seq. ID	OJ990907_12.9B22.C16
Gene No.	34069	Strand	-
Start	20759	End	21576
Name	OJ990907_12.9B22.C16.o2.tm	Method	TBLASTX:Maize
Start	12033	End	12396
GI	none	Score	165
Exons	12033..12395, 12042..12395, 12046..12396		

Seq. No.	16130	Seq. ID	OJ990907_12.9B22.C16
Gene No.	34069	Strand	-
Start	20759	End	21576
Name	OJ990907_12.9B22.C16.o3.tw	Method	TBLASTX:Wheat
Start	12045	End	12468
GI	none	Score	335
Exons	12045..12467, 12046..12435, 12085..12468		

Seq. No.	16130	Seq. ID	OJ990907_12.9B22.C16

Gene No.	34069	Strand	-
Start	20759	End	21576
Name	OJ990907_12.9B22.C16.o3.ts	Method	TBLASTX:Soybean
Start	12216	End	12461
GI	none	Score	66
Exons	12216..12461, 12316..12459		

Seq. No.	16130	Seq. ID	OJ990907_12.9B22.C16
Gene No.	34069	Strand	-
Start	20759	End	21576
Name	OJ990907_12.9B22.C16.o3.tm	Method	TBLASTX:Maize
Start	12432	End	12932
GI	none	Score	50
Exons	12432..12746, 12475..12525, 12553..12606, 12753..12932, 12805..12924		

Seq. No.	16130	Seq. ID	OJ990907_12.9B22.C16
Gene No.	34069	Strand	-
Start	20759	End	21576
Name	OJ990907_12.9B22.C16.o5.tw	Method	TBLASTX:Wheat
Start	12474	End	12770
GI	none	Score	196
Exons	12474..12767, 12474..12770, 12484..12768		

Seq. No.	16130	Seq. ID	OJ990907_12.9B22.C16
Gene No.	34069	Strand	-
Start	20759	End	21576
Name	OJ990907_12.9B22.C16.o1.ts	Method	TBLASTX:Soybean
Start	12483	End	12878
GI	none	Score	184
Exons	12483..12842, 12484..12774, 12805..12840, 12846..12878, 12847..12876		

Seq. No.	16130	Seq. ID	OJ990907_12.9B22.C16
Gene No.	34069	Strand	-
Start	20759	End	21576
Name	OJ990907_12.9B22.C16.o4.tw	Method	TBLASTX:Wheat
Start	12819	End	13305
GI	none	Score	250
Exons	12819..13196, 12862..13305, 13251..13301		

Seq. No.	16130	Seq. ID	OJ990907_12.9B22.C16
Gene No.	34069	Strand	-
Start	20759	End	21576
Name	OJ990907_12.9B22.C16.o5.tm	Method	TBLASTX:Maize
Start	13000	End	13290
GI	none	Score	177
Exons	13000..13290, 13002..13289		

Seq. No.	16130	Seq. ID	OJ990907_12.9B22.C16
Gene No.	34069	Strand	-
Start	20759	End	21576
Name	OJ990907_12.9B22.C16.o8.tw	Method	TBLASTX:Wheat
Start	13401	End	13838
GI	none	Score	68
Exons	13401..13442, 13470..13583, 13471..13584, 13629..13838, 13630..13782		

Seq. No.	16130	Seq. ID	OJ990907_12.9B22.C16
Gene No.	34069	Strand	-
Start	20759	End	21576
Name	OJ990907_12.9B22.C16.o7.tm	Method	TBLASTX:Maize
Start	13521	End	13874
GI	none	Score	188
Exons	13521..13874		

Seq. No.	16130	Seq. ID	OJ990907_12.9B22.C16
Gene No.	34069	Strand	-
Start	20759	End	21576
Name	OJ990907_12.9B22.C16.o7.tw	Method	TBLASTX:Wheat
Start	14145	End	14496
GI	none	Score	109
Exons	14145..14495, 14302..14496		

Seq. No.	16130	Seq. ID	OJ990907_12.9B22.C16
Gene No.	34069	Strand	-
Start	20759	End	21576
Name	OJ990907_12.9B22.C16.o6.tm	Method	TBLASTX:Maize
Start	14190	End	14495
GI	none	Score	87
Exons	14190..14495, 14365..14481		

Seq. No.	16130	Seq. ID	OJ990907_12.9B22.C16
Gene No.	34069	Strand	-
Start	20759	End	21576
Name	OJ990907_12.9B22.C16.o9.tw	Method	TBLASTX:Wheat
Start	14530	End	14789
GI	none	Score	105
Exons	14530..14727, 14532..14729, 14742..14789		

Seq. No.	16130	Seq. ID	OJ990907_12.9B22.C16
Gene No.	34069	Strand	-
Start	20759	End	21576
Name	OJ990907_12.9B22.C16.o5.gs	Method	GENSCAN
Start	20759	End	21576
GI	none	Score	.79
Exons	20759..20962, 21291..21576		

Seq. No.	16131	Seq. ID	OJ990907_12.9B22.C17
Gene No.	34070	Strand	-
Start	1	End	2519
Name	OJ990907_12.9B22.C17.o1.np	Method	AAT/NAP
Start	1	End	2519
GI	5091513	Score	142
Exons	1..25, 1753..2072, 2315..2519		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	16131	Seq. ID	OJ990907_12.9B22.C17
Gene No.	34070	Strand	-
Start	1	End	2519
Name	OJ990907_12.9B22.C17.o1.gs	Method	GENSCAN
Start	1749	End	2066
GI	none	Score	.62
Exons	1749..2066		

Seq. No.	16132	Seq. ID	OJ990907_12.9B22.C18
Gene No.	34071	Strand	-
Start	1	End	677
Name	OJ990907_12.9B22.C18.o1.np	Method	AAT/NAP
Start	1	End	677
GI	5042454	Score	172
Exons	1..127, 181..272, 656..677		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	16132	Seq. ID	OJ990907_12.9B22.C18
Gene No.	34071	Strand	-
Start	1	End	677
Name	OJ990907_12.9B22.C18.o1.gs	Method	GENSCAN
Start	181	End	387
GI	none	Score	.72
Exons	181..387		

Seq. No.	16133	Seq. ID	OJ990907_12.9B22.C20
Gene No.	34072	Strand	+
Start	389	End	1066
Name	OJ990907_12.9B22.C20.o1.gs	Method	GENSCAN
Start	389	End	1066
GI	none	Score	.52
Exons	389..471, 564..712, 1010..1066		

Seq. No.	16133	Seq. ID	OJ990907_12.9B22.C20
Gene No.	34073	Strand	-
Start	167	End	600
Name	OJ990907_12.9B22.C20.o1.np	Method	AAT/NAP
Start	167	End	600
GI	4680185	Score	442
Exons	167..600		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	16134	Seq. ID	OJ990907_12.9B22.C21
Gene No.	34074	Strand	+
Start	513	End	754
Name	OJ990907_12.9B22.C21.o1.np	Method	AAT/NAP
Start	513	End	754
GI	5852180	Score	148
Exons	513..633, 685..754		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	16134	Seq. ID	OJ990907_12.9B22.C21
Gene No.	34075	Strand	-
Start	194	End	679
Name	OJ990907_12.9B22.C21.o1.gs	Method	GENSCAN
Start	194	End	679
GI	none	Score	.43
Exons	194..279, 607..679		

Seq. No.	16135	Seq. ID	OJ990907_12.9B22.C22
Gene No.	34076	Strand	+
Start	1	End	447
Name	OJ990907_12.9B22.C22.o1.np	Method	AAT/NAP
Start	1	End	447

GI	4680179	Score	219
Exons	1..447		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	16135	Seq. ID	OJ990907_12.9B22.C22
Gene No.	34077	Strand	-
Start	73	End	229
Name	OJ990907_12.9B22.C22.o1.gs	Method	GENSCAN
Start	73	End	229
GI	none	Score	.67
Exons	73..229		

Seq. No.	16136	Seq. ID	OJ990907_19.9B22.C1
Gene No.	34078	Strand	-
Start	1	End	454
Name	OJ990907_19.9B22.C1.o1.np	Method	AAT/NAP
Start	1	End	454
GI	6907089	Score	537
Exons	1..454		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	16136	Seq. ID	OJ990907_19.9B22.C1
Gene No.	34078	Strand	-
Start	1	End	454
Name	OJ990907_19.9B22.C1.o1.gs	Method	GENSCAN
Start	83	End	367
GI	none	Score	.94
Exons	83..367		

Seq. No.	16137	Seq. ID	OJ990907_19.9B22.C2
Gene No.	34079	Strand	+
Start	2219	End	2558
Name	OJ990907_19.9B22.C2.o1.gs	Method	GENSCAN
Start	2219	End	2558
GI	none	Score	.67
Exons	2219..2279, 2440..2558		

Seq. No.	16137	Seq. ID	OJ990907_19.9B22.C2
Gene No.	34080	Strand	+
Start	4599	End	9451
Name	OJ990907_19.9B22.C2.o1.tm	Method	TBLASTX:Maize
Start	4493	End	5251
GI	none	Score	185
Exons	4493..4642, 4507..5028, 4526..5005, 5026..5250, 5027..5251		

Seq. No.	16137	Seq. ID	OJ990907_19.9B22.C2
Gene No.	34080	Strand	+
Start	4599	End	9451
Name	OJ990907_19.9B22.C2.o1.tw	Method	TBLASTX:Wheat
Start	4493	End	4966
GI	none	Score	429
Exons	4493..4966, 4498..4965		

Seq. No.	16137	Seq. ID	OJ990907_19.9B22.C2
Gene No.	34080	Strand	+
Start	4599	End	9451
Name	OJ990907_19.9B22.C2.o1.ts	Method	TBLASTX:Soybean

Start	4493	End	6697
GI	none	Score	483
Exons	4493..5014, 4507..5013, 5020..5256, 5021..5251, 6538..6684, 6545..6697		

Seq. No.	16137	Seq. ID	OJ990907_19.9B22.C2
Gene No.	34080	Strand	+
Start	4599	End	9451
Name	OJ990907_19.9B22.C2.o1.np	Method	AAT/NAP
Start	4599	End	9451
GI	5420389	Score	224
Exons	4599..4914, 6631..7030, 9396..9451		
GI Descrip.	(AJ243460) proteophosphoglycan [Leishmania major]		

Seq. No.	16137	Seq. ID	OJ990907_19.9B22.C2
Gene No.	34080	Strand	+
Start	4599	End	9451
Name	OJ990907_19.9B22.C2.o1.tc	Method	TBLASTX:Cress
Start	4931	End	5182
GI	none	Score	69
Exons	4931..5005, 5027..5182, 5041..5178		

Seq. No.	16138	Seq. ID	OJ990907_19.9B22.C3
Gene No.	34081	Strand	-
Start	321	End	486
Name	OJ990907_19.9B22.C3.o1.gs	Method	GENSCAN
Start	321	End	486
GI	none	Score	.77
Exons	321..486		

Seq. No.	16138	Seq. ID	OJ990907_19.9B22.C3
Gene No.	34082	Strand	-
Start	2361	End	3191
Name	OJ990907_19.9B22.C3.o2.gs	Method	GENSCAN
Start	2361	End	3191
GI	none	Score	.42
Exons	2361..2533, 3170..3191		

Seq. No.	16139	Seq. ID	OJ990907_19.9B22.C4
Gene No.	34083	Strand	+
Start	1136	End	5656
Name	OJ990907_19.9B22.C4.o1.gs	Method	GENSCAN
Start	1136	End	5581
GI	none	Score	.62
Exons	1136..1148, 2339..2500, 2572..2639, 3169..3290, 3430..3482, 4245..4684, 4898..4914, 5010..5123, 5446..5581		

Seq. No.	16139	Seq. ID	OJ990907_19.9B22.C4
Gene No.	34083	Strand	+
Start	1136	End	5656
Name	OJ990907_19.9B22.C4.o1.np	Method	AAT/NAP
Start	3941	End	5656
GI	6907086	Score	517
Exons	3941..4764, 4823..5214, 5430..5656		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	16139	Seq. ID	OJ990907_19.9B22.C4

Gene No.	34084	Strand	-
Start	6427	End	20256
Name	OJ990907_19.9B22.C4.o5.tm	Method	TBLASTX:Maize
Start	6403	End	6699
GI	none	Score	64
Exons	6403..6699, 6524..6670		

Seq. No.	16139	Seq. ID	OJ990907_19.9B22.C4
Gene No.	34084	Strand	-
Start	6427	End	20256
Name	OJ990907_19.9B22.C4.o2.gs	Method	GENSCAN
Start	6427	End	20197
GI	none	Score	.42
Exons	6427..6673, 6767..7046, 7086..7248, 7275..7391, 7449..7529, 7730..7814, 7920..8015, 9147..9283, 10483..10723, 11097..11263, 15752..15871, 16796..16955, 17094..17237, 17907..19558, 20044..20085, 20135..20197		

Seq. No.	16139	Seq. ID	OJ990907_19.9B22.C4
Gene No.	34084	Strand	-
Start	6427	End	20256
Name	OJ990907_19.9B22.C4.o4.tw	Method	TBLASTX:Wheat
Start	6583	End	6957
GI	none	Score	230
Exons	6583..6957		

Seq. No.	16139	Seq. ID	OJ990907_19.9B22.C4
Gene No.	34084	Strand	-
Start	6427	End	20256
Name	OJ990907_19.9B22.C4.o2.np	Method	AAT/NAP
Start	17756	End	20256
GI	4234852	Score	2623
Exons	17756..19675, 19770..20256		
GI Descrip.	(AF082133) gag-pol polyprotein [Zea mays]		

Seq. No.	16139	Seq. ID	OJ990907_19.9B22.C4
Gene No.	34084	Strand	-
Start	6427	End	20256
Name	OJ990907_19.9B22.C4.o4.tm	Method	TBLASTX:Maize
Start	17795	End	18259
GI	none	Score	65
Exons	17795..17992, 18029..18259, 18039..18203		

Seq. No.	16139	Seq. ID	OJ990907_19.9B22.C4
Gene No.	34084	Strand	-
Start	6427	End	20256
Name	OJ990907_19.9B22.C4.o3.tw	Method	TBLASTX:Wheat
Start	17807	End	18274
GI	none	Score	45
Exons	17807..18274, 17808..17921, 17991..18179		

Seq. No.	16139	Seq. ID	OJ990907_19.9B22.C4
Gene No.	34084	Strand	-
Start	6427	End	20256
Name	OJ990907_19.9B22.C4.o2.ts	Method	TBLASTX:Soybean
Start	17810	End	18383
GI	none	Score	56

Exons	17810..17986, 18002..18382, 18039..18206, 18300..18383		
Seq. No.	16139	Seq. ID	OJ990907_19.9B22.C4
Gene No.	34084	Strand	-
Start	6427	End	20256
Name	OJ990907_19.9B22.C4.o1.tm	Method	TBLASTX:Maize
Start	18272	End	18703
GI	none	Score	133
Exons	18272..18568, 18273..18428, 18542..18703		
Seq. No.	16139	Seq. ID	OJ990907_19.9B22.C4
Gene No.	34084	Strand	-
Start	6427	End	20256
Name	OJ990907_19.9B22.C4.o1.tw	Method	TBLASTX:Wheat
Start	18368	End	19148
GI	none	Score	88
Exons	18368..18817, 18531..18662, 18599..18817, 18794..19108, 18803..19147, 19053..19148		
Seq. No.	16139	Seq. ID	OJ990907_19.9B22.C4
Gene No.	34084	Strand	-
Start	6427	End	20256
Name	OJ990907_19.9B22.C4.o2.tm	Method	TBLASTX:Maize
Start	18755	End	19148
GI	none	Score	107
Exons	18755..19147, 18840..18992, 19044..19148		
Seq. No.	16139	Seq. ID	OJ990907_19.9B22.C4
Gene No.	34084	Strand	-
Start	6427	End	20256
Name	OJ990907_19.9B22.C4.o1.ts	Method	TBLASTX:Soybean
Start	18818	End	19276
GI	5509260	Score	188
Exons	18818..19276, 18840..19229		
GI Descrip.	-		
Seq. No.	16139	Seq. ID	OJ990907_19.9B22.C4
Gene No.	34084	Strand	-
Start	6427	End	20256
Name	OJ990907_19.9B22.C4.o1.tc	Method	TBLASTX:Cress
Start	18929	End	19189
GI	none	Score	102
Exons	18929..19189, 18930..19187		
Seq. No.	16139	Seq. ID	OJ990907_19.9B22.C4
Gene No.	34084	Strand	-
Start	6427	End	20256
Name	OJ990907_19.9B22.C4.o2.tw	Method	TBLASTX:Wheat
Start	19205	End	20195
GI	none	Score	122
Exons	19205..19327, 19859..20194, 19902..20195		
Seq. No.	16139	Seq. ID	OJ990907_19.9B22.C4
Gene No.	34084	Strand	-
Start	6427	End	20256
Name	OJ990907_19.9B22.C4.o3.ts	Method	TBLASTX:Soybean
Start	19856	End	20254

GI	none	Score	38
Exons	19856..20029, 19968..20030, 20033..20182, 20033..20254		

Seq. No.	16139	Seq. ID	OJ990907_19.9B22.C4
Gene No.	34084	Strand	-
Start	6427	End	20256
Name	OJ990907_19.9B22.C4.o2.tc	Method	TBLASTX:Cress
Start	19862	End	20242
GI	none	Score	105
Exons	19862..20029, 20069..20242		

Seq. No.	16139	Seq. ID	OJ990907_19.9B22.C4
Gene No.	34084	Strand	-
Start	6427	End	20256
Name	OJ990907_19.9B22.C4.o3.tm	Method	TBLASTX:Maize
Start	19865	End	20254
GI	none	Score	114
Exons	19865..19927, 19958..20026, 20033..20254, 20040..20243		

Seq. No.	16140	Seq. ID	OJ990907_19.9B22.C5
Gene No.	34085	Strand	-
Start	1	End	4195
Name	OJ990907_19.9B22.C5.o1.np	Method	AAT/NAP
Start	1	End	1648
GI	4234846	Score	968
Exons	1..880, 923..1648		
GI Descrip.	(AF082130) gag-pol polyprotein [Zea mays]		

Seq. No.	16140	Seq. ID	OJ990907_19.9B22.C5
Gene No.	34085	Strand	-
Start	1	End	4195
Name	OJ990907_19.9B22.C5.o1.ts	Method	TBLASTX:Soybean
Start	6	End	332
GI	none	Score	68
Exons	6..146, 39..332, 183..332		

Seq. No.	16140	Seq. ID	OJ990907_19.9B22.C5
Gene No.	34085	Strand	-
Start	1	End	4195
Name	OJ990907_19.9B22.C5.o1.tw	Method	TBLASTX:Wheat
Start	183	End	605
GI	none	Score	56
Exons	183..365, 289..384, 351..605		

Seq. No.	16140	Seq. ID	OJ990907_19.9B22.C5
Gene No.	34085	Strand	-
Start	1	End	4195
Name	OJ990907_19.9B22.C5.o1.tm	Method	TBLASTX:Maize
Start	585	End	1469
GI	none	Score	108
Exons	585..677, 783..854, 1047..1268, 1089..1268, 1281..1469		

Seq. No.	16140	Seq. ID	OJ990907_19.9B22.C5
Gene No.	34085	Strand	-
Start	1	End	4195
Name	OJ990907_19.9B22.C5.o1.gs	Method	GENSCAN
Start	1044	End	4195

GI	none	Score	.53
Exons	1044..1601, 2641..2857, 4043..4195		

Seq. No.	16141	Seq. ID	OJ990907_19.9B22.C7
Gene No.	34086	Strand	+
Start	150	End	815
Name	OJ990907_19.9B22.C7.o1.gs	Method	GENSCAN
Start	150	End	815
GI	none	Score	.77
Exons	150..247, 671..815		

Seq. No.	16141	Seq. ID	OJ990907_19.9B22.C7
Gene No.	34087	Strand	+
Start	3451	End	5234
Name	OJ990907_19.9B22.C7.o2.gs	Method	GENSCAN
Start	3451	End	5234
GI	none	Score	.76
Exons	3451..4414, 5128..5234		

Seq. No.	16141	Seq. ID	OJ990907_19.9B22.C7
Gene No.	34088	Strand	+
Start	11538	End	13217
Name	OJ990907_19.9B22.C7.o1.ts	Method	TBLASTX:Soybean
Start	3628	End	10609
GI	none	Score	102
Exons	3628..3717, 3681..3932, 3772..3975, 3976..4116, 4189..4413, 4191..4289, 10453..10599, 10460..10609		

Seq. No.	16141	Seq. ID	OJ990907_19.9B22.C7
Gene No.	34088	Strand	+
Start	11538	End	13217
Name	OJ990907_19.9B22.C7.o1.tw	Method	TBLASTX:Wheat
Start	3628	End	3975
GI	none	Score	231
Exons	3628..3975, 3681..3932		

Seq. No.	16141	Seq. ID	OJ990907_19.9B22.C7
Gene No.	34088	Strand	+
Start	11538	End	13217
Name	OJ990907_19.9B22.C7.o1.tm	Method	TBLASTX:Maize
Start	3919	End	4254
GI	none	Score	65
Exons	3919..3969, 3985..4116, 3985..4080, 3999..4169, 4179..4253, 4180..4254		

Seq. No.	16141	Seq. ID	OJ990907_19.9B22.C7
Gene No.	34088	Strand	+
Start	11538	End	13217
Name	OJ990907_19.9B22.C7.o2.np	Method	AAT/NAP
Start	11538	End	13217
GI	4115357	Score	705
Exons	11538..12938, 12987..13217		
GI Descrip.	(AC005957) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	16141	Seq. ID	OJ990907_19.9B22.C7
Gene No.	34088	Strand	+
Start	11538	End	13217

Name	OJ990907_19.9B22.C7.o2.ts	Method	TBLASTX:Soybean
Start	11974	End	13205
GI	none	Score	55
Exons	11974..12018, 11976..12047, 12084..12182, 12252..12314, 12378..12449, 12594..12725, 12602..12721, 12969..13205, 12995..13201		

Seq. No.	16142	Seq. ID	OJ990907_19.9B22.C8
Gene No.	34089	Strand	+
Start	1	End	126
Name	OJ990907_19.9B22.C8.o1.np	Method	AAT/NAP
Start	1	End	126
GI	4115357	Score	110
Exons	1..126		
GI Descrip.	(AC005957) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	16142	Seq. ID	OJ990907_19.9B22.C8
Gene No.	34090	Strand	-
Start	270	End	553
Name	OJ990907_19.9B22.C8.o1.gs	Method	GENSCAN
Start	270	End	553
GI	none	Score	.72
Exons	270..413, 467..553		

Seq. No.	16143	Seq. ID	OJ990907_19.9B22.C9
Gene No.	34091	Strand	+
Start	708	End	1105
Name	OJ990907_19.9B22.C9.o1.gs	Method	GENSCAN
Start	708	End	1105
GI	none	Score	.75
Exons	708..1105		

Seq. No.	16144	Seq. ID	OJ990907_19.9B22.C10
Gene No.	34092	Strand	+
Start	65	End	713
Name	OJ990907_19.9B22.C10.o1.gs	Method	GENSCAN
Start	65	End	713
GI	none	Score	.99
Exons	65..227, 571..713		

Seq. No.	16144	Seq. ID	OJ990907_19.9B22.C10
Gene No.	34093	Strand	-
Start	1	End	1913
Name	OJ990907_19.9B22.C10.o1.np	Method	AAT/NAP
Start	1	End	1841
GI	3269293	Score	90
Exons	1..45, 1250..1291, 1585..1841		
GI Descrip.	(AL030978) putative protein [Arabidopsis thaliana]		

Seq. No.	16144	Seq. ID	OJ990907_19.9B22.C10
Gene No.	34093	Strand	-
Start	1	End	1913
Name	OJ990907_19.9B22.C10.o1.tm	Method	TBLASTX:Maize
Start	1	End	226
GI	none	Score	187
Exons	1..102, 2..226		

Seq. No.	16144	Seq. ID	OJ990907_19.9B22.C10
Gene No.	34093	Strand	-
Start	1	End	1913
Name	OJ990907_19.9B22.C10.o1.ts	Method	TBLASTX:Soybean
Start	2	End	231
GI	none	Score	184
Exons	2..226, 4..102, 145..231		

Seq. No.	16144	Seq. ID	OJ990907_19.9B22.C10
Gene No.	34093	Strand	-
Start	1	End	1913
Name	OJ990907_19.9B22.C10.o2.gs	Method	GENSCAN
Start	1644	End	1913
GI	none	Score	.75
Exons	1644..1913		

Seq. No.	16145	Seq. ID	OJ990907_19.9B22.C11
Gene No.	34094	Strand	+
Start	121	End	257
Name	OJ990907_19.9B22.C11.o1.gs	Method	GENSCAN
Start	121	End	257
GI	none	Score	.66
Exons	121..257		

Seq. No.	16146	Seq. ID	OJ990907_19.9B22.C14
Gene No.	34095	Strand	-
Start	1	End	472
Name	OJ990907_19.9B22.C14.o1.gp	Method	AAT/GAP
Start	1	End	421
GI	4562_1.R1084	Score	396
Exons	1..25, 108..203, 307..421		
GI Descrip.	'2198851 0.0e+00 (AF007785) cystathionine gamma-synthase [Zea mays]'		

Seq. No.	16146	Seq. ID	OJ990907_19.9B22.C14
Gene No.	34095	Strand	-
Start	1	End	472
Name	OJ990907_19.9B22.C14.o1.np	Method	AAT/NAP
Start	1	End	414
GI	2198851	Score	299
Exons	1..25, 108..203, 307..414		
GI Descrip.	(AF007785) cystathionine gamma-synthase [Zea mays]		

Seq. No.	16146	Seq. ID	OJ990907_19.9B22.C14
Gene No.	34095	Strand	-
Start	1	End	472
Name	OJ990907_19.9B22.C14.o1.tm	Method	TBLASTX:Maize
Start	3	End	422
GI	none	Score	37
Exons	3..26, 3..26, 4..27, 90..206, 94..210, 105..221, 107..211, 295..414, 308..421, 309..422		

Seq. No.	16146	Seq. ID	OJ990907_19.9B22.C14
Gene No.	34095	Strand	-
Start	1	End	472
Name	OJ990907_19.9B22.C14.o1.ts	Method	TBLASTX:Soybean
Start	92	End	415

GI	none	Score	118
Exons	92..193, 94..198, 105..221, 108..206, 304..414, 305..415		

Seq. No.	16146	Seq. ID	OJ990907_19.9B22.C14
Gene No.	34095	Strand	-
Start	1	End	472
Name	OJ990907_19.9B22.C14.o1.tc	Method	TBLASTX:Cress
Start	103	End	472
GI	none	Score	101
Exons	103..195, 105..227, 108..212, 304..414, 305..415, 306..419, 392..472		

Seq. No.	16146	Seq. ID	OJ990907_19.9B22.C14
Gene No.	34095	Strand	-
Start	1	End	472
Name	OJ990907_19.9B22.C14.o1.gs	Method	GENSCAN
Start	108	End	414
GI	none	Score	.65
Exons	108..203, 307..414		

Seq. No.	16147	Seq. ID	OJ990907_19.9B22.C16
Gene No.	34096	Strand	+
Start	277	End	480
Name	OJ990907_19.9B22.C16.o1.gs	Method	GENSCAN
Start	277	End	480
GI	none	Score	.62
Exons	277..480		

Seq. No.	16148	Seq. ID	OJ990907_19.9B22.C17
Gene No.	34097	Strand	+
Start	804	End	1373
Name	OJ990907_19.9B22.C17.o1.gs	Method	GENSCAN
Start	804	End	1373
GI	none	Score	.85
Exons	804..1373		

Seq. No.	16148	Seq. ID	OJ990907_19.9B22.C17
Gene No.	34098	Strand	-
Start	2922	End	3117
Name	OJ990907_19.9B22.C17.o1.ts	Method	TBLASTX:Soybean
Start	876	End	1365
GI	none	Score	52
Exons	876..1028, 880..978, 1050..1190, 1054..1131, 1209..1364, 1210..1365		

Seq. No.	16148	Seq. ID	OJ990907_19.9B22.C17
Gene No.	34098	Strand	-
Start	2922	End	3117
Name	OJ990907_19.9B22.C17.o2.gs	Method	GENSCAN
Start	2922	End	3117
GI	none	Score	.97
Exons	2922..3034, 3090..3117		

Seq. No.	16149	Seq. ID	OJ990907_19.9B22.C18
Gene No.	34099	Strand	+
Start	3414	End	3887
Name	OJ990907_19.9B22.C18.o1.gs	Method	GENSCAN

Start	3414	End	3887
GI	none	Score	.6
Exons	3414..3468, 3814..3887		

Seq. No.	16149	Seq. ID	OJ990907_19.9B22.C18
Gene No.	34100	Strand	+
Start	3994	End	5243
Name	OJ990907_19.9B22.C18.o2.gs	Method	GENSCAN
Start	3994	End	5243
GI	none	Score	.78
Exons	3994..4080, 4185..4332, 5088..5243		

Seq. No.	16149	Seq. ID	OJ990907_19.9B22.C18
Gene No.	34101	Strand	-
Start	3984	End	4457
Name	OJ990907_19.9B22.C18.o1.gp	Method	AAT/GAP
Start	3984	End	4457
GI	48882_1.R1084	Score	907
Exons	3984..4457		
GI Descrip.	'5091597/gb\|AC007858.1\|10A19I 7.0e-31 Oryza sativa chromosome 1 BAC 10A19I, complete sequence'		

Seq. No.	16150	Seq. ID	OJ990907_19.9B22.C19
Gene No.	34102	Strand	-
Start	1415	End	3206
Name	OJ990907_19.9B22.C19.o1.gp	Method	AAT/GAP
Start	1239	End	1678
GI	43801_1.R1084	Score	597
Exons	1239..1480, 1585..1678		
GI Descrip.	'4056477 1.0e-16 (AC005896) putative RNA binding protein [Arabidopsis thaliana]'		

Seq. No.	16150	Seq. ID	OJ990907_19.9B22.C19
Gene No.	34102	Strand	-
Start	1415	End	3206
Name	OJ990907_19.9B22.C19.o1.tm	Method	TBLASTX:Maize
Start	1397	End	2305
GI	none	Score	91
Exons	1397..1480, 1409..1480, 1410..1493, 1581..1670, 1585..1794, 1585..1830, 1606..1662, 1722..1811, 1789..1878, 1805..1864, 2198..2272, 2204..2305, 2205..2300, 2208..2276, 2210..2278		

Seq. No.	16150	Seq. ID	OJ990907_19.9B22.C19
Gene No.	34102	Strand	-
Start	1415	End	3206
Name	OJ990907_19.9B22.C19.o1.tc	Method	TBLASTX:Cress
Start	1415	End	2888
GI	none	Score	65
Exons	1415..1480, 1428..1526, 1583..1789, 1585..1788, 1588..1764, 1588..1776, 1607..1777, 1804..1860, 1805..1864, 2199..2303, 2201..2311, 2204..2305, 2790..2888, 2792..2887		

Seq. No.	16150	Seq. ID	OJ990907_19.9B22.C19
Gene No.	34102	Strand	-
Start	1415	End	3206
Name	OJ990907_19.9B22.C19.o2.gs	Method	GENSCAN
Start	1415	End	3011

GI	none	Score	.88
Exons	1415..1480, 1585..1866, 2201..2302, 2727..3011		

Seq. No.	16150	Seq. ID	OJ990907_19.9B22.C19
Gene No.	34102	Strand	-
Start	1415	End	3206
Name	OJ990907_19.9B22.C19.o1.np	Method	AAT/NAP
Start	1418	End	3142
GI	4056477	Score	597
Exons	1418..1480, 1585..1866, 2201..2302, 2795..3142		
GI Descrip.	(AC005896) putative RNA-binding protein [Arabidopsis thaliana]		

Seq. No.	16150	Seq. ID	OJ990907_19.9B22.C19
Gene No.	34102	Strand	-
Start	1415	End	3206
Name	OJ990907_19.9B22.C19.o1.ts	Method	TBLASTX:Soybean
Start	1427	End	2888
GI	none	Score	63
Exons	1427..1480, 1588..1704, 1588..1776, 1603..1704, 1607..1777, 1699..1863, 1702..1779, 1702..1794, 1823..1864, 2199..2303, 2201..2305, 2201..2311, 2204..2305, 2223..2303, 2790..2888, 2792..2887		

Seq. No.	16150	Seq. ID	OJ990907_19.9B22.C19
Gene No.	34102	Strand	-
Start	1415	End	3206
Name	OJ990907_19.9B22.C19.o1.tw	Method	TBLASTX:Wheat
Start	1436	End	2305
GI	none	Score	60
Exons	1436..1483, 1588..1776, 1589..1768, 2204..2305, 2205..2300		

Seq. No.	16150	Seq. ID	OJ990907_19.9B22.C19
Gene No.	34102	Strand	-
Start	1415	End	3206
Name	OJ990907_19.9B22.C19.o2.np	Method	AAT/NAP
Start	2607	End	3206
GI	6434257	Score	81
Exons	2607..2674, 2934..3206		
GI Descrip.	(Z46676) similar to Poly(A) RNA binding protein; cDNA EST EMBL:D65752 comes from this gene; cDNA EST EMBL:D69301 comes from this gene; cDNA EST EMBL:C11188 comes from this gene; cDNA EST EMBL:C13204 comes from this gene; cDNA...		

Seq. No.	16150	Seq. ID	OJ990907_19.9B22.C19
Gene No.	34102	Strand	-
Start	1415	End	3206
Name	OJ990907_19.9B22.C19.o2.gp	Method	AAT/GAP
Start	2902	End	3178
GI	none	Score	499
Exons	2902..3178		

Seq. No.	16151	Seq. ID	OJ990907_19.9B22.C20
Gene No.	34103	Strand	-
Start	22	End	497
Name	OJ990907_19.9B22.C20.o1.gp	Method	AAT/GAP
Start	22	End	497
GI	none	Score	919

Exons	22..497		
Seq. No.	16151	Seq. ID	OJ990907_19.9B22.C20
Gene No.	34104	Strand	-
Start	418	End	496
Name	OJ990907_19.9B22.C20.o1.gs	Method	GENSCAN
Start	418	End	496
GI	none	Score	.65
Exons	418..496		
Seq. No.	16152	Seq. ID	OJ990907_19.9B22.C21
Gene No.	34105	Strand	-
Start	415	End	496
Name	OJ990907_19.9B22.C21.o1.gs	Method	GENSCAN
Start	415	End	496
GI	none	Score	1
Exons	415..496		
Seq. No.	16153	Seq. ID	OJ990907_19.9B22.C22
Gene No.	34106	Strand	+
Start	3666	End	6863
Name	OJ990907_19.9B22.C22.o2.gs	Method	GENSCAN
Start	3666	End	6780
GI	none	Score	.96
Exons	3666..3860, 4781..4990, 5709..5771, 5853..5926, 6726..6780		
Seq. No.	16153	Seq. ID	OJ990907_19.9B22.C22
Gene No.	34106	Strand	+
Start	3666	End	6863
Name	OJ990907_19.9B22.C22.o2.np	Method	AAT/NAP
Start	3678	End	6863
GI	3395938	Score	773
Exons	3678..3860, 4781..4990, 5709..5771, 5853..5926, 6024..6119, 6726..6863		
GI Descrip.	(AF076924) polypyrimidine tract-binding protein homolog [Arabidopsis thaliana]		
Seq. No.	16153	Seq. ID	OJ990907_19.9B22.C22
Gene No.	34107	Strand	-
Start	1	End	1378
Name	OJ990907_19.9B22.C22.o1.np	Method	AAT/NAP
Start	1	End	532
GI	5080792	Score	418
Exons	1..532		
GI Descrip.	(AC007576) Unknown protein [Arabidopsis thaliana]		
Seq. No.	16153	Seq. ID	OJ990907_19.9B22.C22
Gene No.	34107	Strand	-
Start	1	End	1378
Name	OJ990907_19.9B22.C22.o1.gs	Method	GENSCAN
Start	70	End	535
GI	none	Score	.52
Exons	70..535		
Seq. No.	16153	Seq. ID	OJ990907_19.9B22.C22
Gene No.	34107	Strand	-
Start	1	End	1378

Name	OJ990907_19.9B22.C22.o1.ts	Method	TBLASTX:Soybean
Start	92	End	496
GI	none	Score	193
Exons	92..151, 140..424, 189..425, 443..496		

Seq. No.	16153	Seq. ID	OJ990907_19.9B22.C22
Gene No.	34107	Strand	-
Start	1	End	1378
Name	OJ990907_19.9B22.C22.o1.gp	Method	AAT/GAP
Start	107	End	1378
GI	44258_1.R1084	Score	998
Exons	107..538, 1252..1378		
GI Descrip.	'5080792/gb\|AAD39302.1\|AC007576_25 5.0e-23 (AC007576) Unknown protein [Arabidopsis thaliana]'		

Seq. No.	16153	Seq. ID	OJ990907_19.9B22.C22
Gene No.	34107	Strand	-
Start	1	End	1378
Name	OJ990907_19.9B22.C22.o1.tm	Method	TBLASTX:Maize
Start	140	End	525
GI	none	Score	304
Exons	140..523, 148..513, 185..514, 243..524, 337..525		

Seq. No.	16153	Seq. ID	OJ990907_19.9B22.C22
Gene No.	34107	Strand	-
Start	1	End	1378
Name	OJ990907_19.9B22.C22.o2.tc	Method	TBLASTX:Cress
Start	209	End	532
GI	none	Score	170
Exons	209..460, 210..425, 443..493, 497..532		

Seq. No.	16153	Seq. ID	OJ990907_19.9B22.C22
Gene No.	34108	Strand	
Start	3669	End	6771
Name	OJ990907_19.9B22.C22.o1.tc	Method	TBLASTX:Cress
Start	3669	End	6771
GI	none	Score	251
Exons	3669..3785, 3699..3860, 3701..3859, 4782..4871, 4783..5010, 4784..5014, 5658..5771, 5697..5786, 5708..5767, 5850..5954, 5850..5927, 6021..6119, 6022..6120, 6022..6126, 6052..6120, 6724..6771		

Seq. No.	16153	Seq. ID	OJ990907_19.9B22.C22
Gene No.	34108	Strand	
Start	3669	End	6771
Name	OJ990907_19.9B22.C22.o1.tw	Method	TBLASTX:Wheat
Start	3699	End	4876
GI	none	Score	241
Exons	3699..3860, 3699..3785, 3701..3859, 4783..4875, 4784..4876		

Seq. No.	16153	Seq. ID	OJ990907_19.9B22.C22
Gene No.	34108	Strand	
Start	3669	End	6771
Name	OJ990907_19.9B22.C22.o3.tm	Method	TBLASTX:Maize
Start	3699	End	4990
GI	none	Score	271
Exons	3699..3860, 3699..3785, 3701..3859, 4784..4990, 4795..4983		

Seq. No.	16153	Seq. ID	OJ990907_19.9B22.C22
Gene No.	34108	Strand	
Start	3669	End	6771
Name	OJ990907_19.9B22.C22.o2.ts	Method	TBLASTX:Soybean
Start	3699	End	6105
GI	none	Score	256
Exons	3699..3860, 3699..3785, 3701..3859, 4783..5010, 4784..5014, 4841..5020, 5697..5786, 5708..5770, 5850..5927, 6022..6105		

Seq. No.	16153	Seq. ID	OJ990907_19.9B22.C22
Gene No.	34108	Strand	
Start	3669	End	6771
Name	OJ990907_19.9B22.C22.o2.tm	Method	TBLASTX:Maize
Start	5305	End	6771
GI	none	Score	77
Exons	5305..5376, 5310..5375, 5366..5404, 5375..5404, 5634..5771, 5708..5773, 5708..5770, 5847..5936, 5849..5929, 6024..6119, 6025..6120, 6027..6119, 6724..6771		

Seq. No.	16154	Seq. ID	OJ990907_19.9B22.C23
Gene No.	34109	Strand	+
Start	1	End	441
Name	OJ990907_19.9B22.C23.o1.gp	Method	AAT/GAP
Start	1	End	441
GI	77048_1.R1084	Score	750
Exons	1..441		
GI Descrip.	'3395938 6.0e-26 (AF076924) polypyrimidine tract-binding protein homolog [Arabidopsis thaliana]'		

Seq. No.	16155	Seq. ID	OJ990907_19.9B22.C24
Gene No.	34110	Strand	+
Start	499	End	1273
Name	OJ990907_19.9B22.C24.o1.tc	Method	TBLASTX:Cress
Start	381	End	539
GI	none	Score	222
Exons	381..539, 388..537, 393..539		

Seq. No.	16155	Seq. ID	OJ990907_19.9B22.C24
Gene No.	34110	Strand	+
Start	499	End	1273
Name	OJ990907_19.9B22.C24.o1.gs	Method	GENSCAN
Start	499	End	1044
GI	none	Score	.52
Exons	499..1044		

Seq. No.	16155	Seq. ID	OJ990907_19.9B22.C24
Gene No.	34110	Strand	+
Start	499	End	1273
Name	OJ990907_19.9B22.C24.o1.np	Method	AAT/NAP
Start	499	End	1273
GI	2126090	Score	1354
Exons	499..1273		
GI Descrip.	transposase (insertion sequence IS10) - Escherichia coli gi\|455676\|bbs\|140379 (S67119) transposase [Escherichia coli, LBB84, plasmid pXT107, IS10L/R-1, Peptide PlasmidTransposonInsertionMutant, 402 aa] [Escherichia coli]		

gi|6634720|gb|AAF19728.1|AC012463_2 (AC012463) T2E6.2 [Arabidopsis thaliana]

Seq. No.	16156	Seq. ID	OJ990907_19.9B22.C25
Gene No.	34111	Strand	+
Start	324	End	651
Name	OJ990907_19.9B22.C25.o1.tc	Method	TBLASTX:Cress
Start	321	End	621
GI	none	Score	92
Exons	321..401, 371..400, 475..621,	482..592	

Seq. No.	16156	Seq. ID	OJ990907_19.9B22.C25
Gene No.	34111	Strand	+
Start	324	End	651
Name	OJ990907_19.9B22.C25.o1.np	Method	AAT/NAP
Start	324	End	625
GI	4335768	Score	225
Exons	324..400, 484..625		
GI Descrip.	(AC006284) putative Golgi-associated membrane trafficking protein [Arabidopsis thaliana]		

Seq. No.	16156	Seq. ID	OJ990907_19.9B22.C25
Gene No.	34111	Strand	+
Start	324	End	651
Name	OJ990907_19.9B22.C25.o1.tm	Method	TBLASTX:Maize
Start	324	End	621
GI	none	Score	109
Exons	324..401, 475..621, 482..592		

Seq. No.	16156	Seq. ID	OJ990907_19.9B22.C25
Gene No.	34111	Strand	+
Start	324	End	651
Name	OJ990907_19.9B22.C25.o1.ts	Method	TBLASTX:Soybean
Start	324	End	651
GI	none	Score	109
Exons	324..401, 475..651, 482..592,	486..626	

Seq. No.	16156	Seq. ID	OJ990907_19.9B22.C25
Gene No.	34111	Strand	+
Start	324	End	651
Name	OJ990907_19.9B22.C25.o1.gs	Method	GENSCAN
Start	327	End	400
GI	none	Score	.64
Exons	327..400		

Seq. No.	16157	Seq. ID	OJ990907_19.9B22.C27
Gene No.	34112	Strand	-
Start	1	End	704
Name	OJ990907_19.9B22.C27.o1.gp	Method	AAT/GAP
Start	1	End	420
GI	uC-osflm202104e10b1	Score	299
Exons	1..31, 152..222, 304..420		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	16157	Seq. ID	OJ990907_19.9B22.C27
Gene No.	34112	Strand	-

Start	1	End	704
Name	OJ990907_19.9B22.C27.o1.tm	Method	TBLASTX:Maize
Start	159	End	704
GI	none	Score	51
Exons	159..227, 162..224, 300..392, 386..574, 505..573, 654..704,	302..382, 385..573, 386..571, 672..698	

Seq. No.	16157	Seq. ID	OJ990907_19.9B22.C27
Gene No.	34112	Strand	-
Start	1	End	704
Name	OJ990907_19.9B22.C27.o1.gs	Method	GENSCAN
Start	164	End	665
GI	none	Score	.7
Exons	164..222, 304..440, 489..570,	657..665	

Seq. No.	16157	Seq. ID	OJ990907_19.9B22.C27
Gene No.	34112	Strand	-
Start	1	End	704
Name	OJ990907_19.9B22.C27.o1.ts	Method	TBLASTX:Soybean
Start	301	End	704
GI	none	Score	168
Exons	301..573, 308..583, 654..704		

Seq. No.	16158	Seq. ID	OJ990907_19.9B22.C30
Gene No.	34113	Strand	-
Start	528	End	673
Name	OJ990907_19.9B22.C30.o1.gs	Method	GENSCAN
Start	528	End	673
GI	none	Score	.73
Exons	528..673		

Seq. No.	16159	Seq. ID	OJ990907_19.9B22.C32
Gene No.	34114	Strand	+
Start	1614	End	1747
Name	OJ990907_19.9B22.C32.o1.gp	Method	AAT/GAP
Start	1614	End	1747
GI	4562_1.R1084	Score	241
Exons	1614..1747		
GI Descrip.	'2198851 0.0e+00 (AF007785) cystathionine gamma-synthase [Zea mays]'		

Seq. No.	16160	Seq. ID	OJ990907_19.9B22.C33
Gene No.	34115	Strand	-
Start	1	End	1627
Name	OJ990907_19.9B22.C33.o1.gp	Method	AAT/GAP
Start	1	End	1627
GI	4562_1.R1084	Score	1074
Exons	1..123, 214..273, 881..1049, 1185..1258, 1371..1474, 1571..1627		
GI Descrip.	'2198851 0.0e+00 (AF007785) cystathionine gamma-synthase [Zea mays]'		

Seq. No.	16160	Seq. ID	OJ990907_19.9B22.C33
Gene No.	34115	Strand	-
Start	1	End	1627
Name	OJ990907_19.9B22.C33.o2.ts	Method	TBLASTX:Soybean
Start	1	End	309
GI	none	Score	63

Exons	1..123, 3..116, 5..124, 187..309, 188..274, 211..309		
Seq. No.	16160	Seq. ID	OJ990907_19.9B22.C33
Gene No.	34115	Strand	-
Start	1	End	1627
Name	OJ990907_19.9B22.C33.o1.tc	Method	TBLASTX:Cress
Start	1	End	1475
GI	none	Score	157
Exons	1..141, 5..124, 187..309, 876..1052, 878..1051, 882..1052, 1185..1295, 1187..1291, 1369..1437, 1371..1475		
Seq. No.	16160	Seq. ID	OJ990907_19.9B22.C33
Gene No.	34115	Strand	-
Start	1	End	1627
Name	OJ990907_19.9B22.C33.o1.tw	Method	TBLASTX:Wheat
Start	1	End	1258
GI	none	Score	178
Exons	1..141, 2..124, 187..279, 213..275, 872..1051, 876..1070, 878..1069, 1185..1256, 1187..1258		
Seq. No.	16160	Seq. ID	OJ990907_19.9B22.C33
Gene No.	34115	Strand	-
Start	1	End	1627
Name	OJ990907_19.9B22.C33.o1.np	Method	AAT/NAP
Start	1	End	1627
GI	2198853	Score	802
Exons	1..123, 214..273, 881..1049, 1185..1258, 1371..1474, 1571..1627		
GI Descrip.	(AF007786) cystathionine gamma-synthase [Zea mays]		
Seq. No.	16160	Seq. ID	OJ990907_19.9B22.C33
Gene No.	34115	Strand	-
Start	1	End	1627
Name	OJ990907_19.9B22.C33.o1.tm	Method	TBLASTX:Maize
Start	1	End	1627
GI	none	Score	180
Exons	1..141, 2..124, 187..279, 188..274, 201..275, 878..1048, 878..1069, 885..1070, 1185..1259, 1185..1259, 1187..1285, 1187..1291, 1321..1437, 1371..1472, 1371..1475, 1509..1622, 1569..1622, 1570..1623, 1571..1627		
Seq. No.	16160	Seq. ID	OJ990907_19.9B22.C33
Gene No.	34115	Strand	-
Start	1	End	1627
Name	OJ990907_19.9B22.C33.o1.gs	Method	GENSCAN
Start	214	End	1545
GI	none	Score	.84
Exons	214..273, 881..1049, 1185..1258, 1371..1545		
Seq. No.	16160	Seq. ID	OJ990907_19.9B22.C33
Gene No.	34115	Strand	-
Start	1	End	1627
Name	OJ990907_19.9B22.C33.o1.ts	Method	TBLASTX:Soybean
Start	881	End	1448
GI	none	Score	177
Exons	881..1072, 882..1067, 1187..1261, 1368..1448, 1369..1437		
Seq. No.	16161	Seq. ID	OJ990907_19.9B22.C34

Gene No.	34116	Strand	+
Start	138	End	346
Name	OJ990907_19.9B22.C34.o1.gs	Method	GENSCAN
Start	138	End	346
GI	none	Score	.71
Exons	138..217, 247..346		

Seq. No.	16162	Seq. ID	OJ990727_07.9B24.C1
Gene No.	34117	Strand	-
Start	475	End	556
Name	OJ990727_07.9B24.C1.o1.gs	Method	GENSCAN
Start	475	End	556
GI	none	Score	.79
Exons	475..556		

Seq. No.	16163	Seq. ID	OJ990727_07.9B24.C2
Gene No.	34118	Strand	+
Start	1	End	617
Name	OJ990727_07.9B24.C2.o1.np	Method	AAT/NAP
Start	1	End	608
GI	4416302	Score	641
Exons	1..608		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	16163	Seq. ID	OJ990727_07.9B24.C2
Gene No.	34118	Strand	+
Start	1	End	617
Name	OJ990727_07.9B24.C2.o1.tm	Method	TBLASTX:Maize
Start	1	End	587
GI	none	Score	391
Exons	1..360, 3..317, 357..587, 359..577		

Seq. No.	16163	Seq. ID	OJ990727_07.9B24.C2
Gene No.	34118	Strand	+
Start	1	End	617
Name	OJ990727_07.9B24.C2.o1.ts	Method	TBLASTX:Soybean
Start	1	End	617
GI	none	Score	233
Exons	1..339, 54..296, 357..617, 371..541		

Seq. No.	16163	Seq. ID	OJ990727_07.9B24.C2
Gene No.	34118	Strand	+
Start	1	End	617
Name	OJ990727_07.9B24.C2.o1.tw	Method	TBLASTX:Wheat
Start	88	End	542
GI	none	Score	123
Exons	88..339, 366..542, 429..542		

Seq. No.	16163	Seq. ID	OJ990727_07.9B24.C2
Gene No.	34118	Strand	+
Start	1	End	617
Name	OJ990727_07.9B24.C2.o1.tc	Method	TBLASTX:Cress
Start	223	End	587
GI	none	Score	82
Exons	223..339, 375..587		

Seq. No.	16164	Seq. ID	OJ990727_07.9B24.C3

Gene No.	34119	Strand	+
Start	179	End	10237
Name	OJ990727_07.9B24.C3.o1.gs	Method	GENSCAN
Start	179	End	10206
GI	none	Score	.75
Exons	179..218, 517..693, 1377..1440, 4003..4119, 4381..4520, 5867..5964, 6455..6596, 6696..6796, 7272..7355, 7457..7507, 7602..7667, 7783..7848, 8462..8542, 8875..9027, 9101..9176, 9280..9389, 9766..10206		

Seq. No.	16164	Seq. ID	OJ990727_07.9B24.C3
Gene No.	34119	Strand	+
Start	179	End	10237
Name	OJ990727_07.9B24.C3.o2.tc	Method	TBLASTX:Cress
Start	5305	End	5593
GI	none	Score	115
Exons	5305..5412, 5306..5407, 5517..5588, 5517..5564, 5519..5593, 5519..5587		

Seq. No.	16164	Seq. ID	OJ990727_07.9B24.C3
Gene No.	34119	Strand	+
Start	179	End	10237
Name	OJ990727_07.9B24.C3.o2.tm	Method	TBLASTX:Maize
Start	5312	End	5590
GI	none	Score	60
Exons	5312..5407, 5316..5399, 5340..5408, 5341..5412, 5342..5407, 5517..5588, 5517..5588, 5518..5589, 5519..5590		

Seq. No.	16164	Seq. ID	OJ990727_07.9B24.C3
Gene No.	34119	Strand	+
Start	179	End	10237
Name	OJ990727_07.9B24.C3.o1.np	Method	AAT/NAP
Start	5318	End	10225
GI	4538923	Score	783
Exons	5318..5407, 5520..5589, 5867..5964, 6455..6596, 6696..6790, 7035..7098, 7272..7355, 7457..7507, 7602..7667, 7783..7848, 8625..8696, 8875..9205, 9295..9363, 9730..10140, 10169..10225		
GI Descrip.	(AL049483) predicted protein destination factor [Arabidopsis thaliana]		

Seq. No.	16164	Seq. ID	OJ990727_07.9B24.C3
Gene No.	34119	Strand	+
Start	179	End	10237
Name	OJ990727_07.9B24.C3.o1.tc	Method	TBLASTX:Cress
Start	6454	End	6817
GI	none	Score	190
Exons	6454..6585, 6455..6586, 6692..6817, 6694..6795		

Seq. No.	16164	Seq. ID	OJ990727_07.9B24.C3
Gene No.	34119	Strand	+
Start	179	End	10237
Name	OJ990727_07.9B24.C3.o1.tm	Method	TBLASTX:Maize
Start	6717	End	9960
GI	none	Score	90
Exons	6717..6797, 6721..6822, 6721..6822, 6725..6823, 7264..7353, 7264..7353, 7275..7400, 7450..7509, 7456..7509, 7457..7513, 7595..7666, 7595..7666, 7602..7667, 7602..7667, 7780..7854,		

7781..7849, 8459..8542, 8461..8541, 8535..8678, 8612..8689,
8612..8677, 9078..9185, 9100..9186, 9262..9390, 9308..9388,
9309..9410, 9309..9404, 9762..9854, 9765..9860, 9766..9864,
9913..9960, 9915..9950

Seq. No.	16164	Seq. ID	OJ990727_07.9B24.C3
Gene No.	34119	Strand	+
Start	179	End	10237
Name	OJ990727_07.9B24.C3.o1.gp	Method	AAT/GAP
Start	9803	End	10237
GI	none	Score	783
Exons	9803..10237		

Seq. No.	16165	Seq. ID	OJ990727_07.9B24.C5
Gene No.	34120	Strand	+
Start	1	End	3401
Name	OJ990727_07.9B24.C5.o1.np	Method	AAT/NAP
Start	1	End	2822
GI	2827699	Score	132
Exons	1..127, 163..311, 912..988, 1028..1216, 2783..2822		
GI Descrip.	(AL021684) predicted protein [Arabidopsis thaliana]		

Seq. No.	16165	Seq. ID	OJ990727_07.9B24.C5
Gene No.	34120	Strand	+
Start	1	End	3401
Name	OJ990727_07.9B24.C5.o1.gs	Method	GENSCAN
Start	50	End	3401
GI	none	Score	.79
Exons	50..305, 1056..1225, 2196..2579, 3243..3401		

Seq. No.	16165	Seq. ID	OJ990727_07.9B24.C5
Gene No.	34121	Strand	-
Start	2486	End	2958
Name	OJ990727_07.9B24.C5.o1.gp	Method	AAT/GAP
Start	2486	End	2958
GI	none	Score	914
Exons	2486..2958		

Seq. No.	16165	Seq. ID	OJ990727_07.9B24.C5
Gene No.	34122	Strand	-
Start	4440	End	8870
Name	OJ990727_07.9B24.C5.o1.tm	Method	TBLASTX:Maize
Start	250	End	2863
GI	none	Score	91
Exons	250..303, 251..310, 1053..1175, 1056..1199, 1058..1225, 1058..1228, 2205..2732, 2207..2731, 2786..2830, 2790..2846, 2836..2862, 2840..2863		

Seq. No.	16165	Seq. ID	OJ990727_07.9B24.C5
Gene No.	34122	Strand	-
Start	4440	End	8870
Name	OJ990727_07.9B24.C5.o1.tw	Method	TBLASTX:Wheat
Start	2475	End	2915
GI	none	Score	123
Exons	2475..2642, 2475..2585, 2495..2602, 2582..2668, 2595..2711, 2605..2715, 2656..2715, 2661..2717, 2804..2839, 2877..2915		

Seq. No.	16165	Seq. ID	OJ990727_07.9B24.C5
Gene No.	34122	Strand	-
Start	4440	End	8870
Name	OJ990727_07.9B24.C5.o2.np	Method	AAT/NAP
Start	4440	End	8870
GI	136140	Score	170
Exons	4440..4486, 5779..6082, 8840..8870		
GI Descrip.	PUTATIVE AC9 TRANSPOSASE gi\|72973\|pir\|\|TQZMCA probable transposase - maize transposon Ac9		

Seq. No.	16165	Seq. ID	OJ990727_07.9B24.C5
Gene No.	34122	Strand	-
Start	4440	End	8870
Name	OJ990727_07.9B24.C5.o2.tm	Method	TBLASTX:Maize
Start	5612	End	5982
GI	none	Score	65
Exons	5612..5695, 5617..5700, 5626..5694, 5630..5695, 5782..5982, 5783..5980		

Seq. No.	16165	Seq. ID	OJ990727_07.9B24.C5
Gene No.	34122	Strand	-
Start	4440	End	8870
Name	OJ990727_07.9B24.C5.o1.ts	Method	TBLASTX:Soybean
Start	5797	End	6009
GI	none	Score	134
Exons	5797..6009, 5813..6001		

Seq. No.	16165	Seq. ID	OJ990727_07.9B24.C5
Gene No.	34122	Strand	-
Start	4440	End	8870
Name	OJ990727_07.9B24.C5.o3.np	Method	AAT/NAP
Start	6551	End	7195
GI	6006367	Score	282
Exons	6551..6825, 6861..6897, 6998..7195		
GI Descrip.	(AP000559) hypothetical protein [Oryza sativa]		

Seq. No.	16166	Seq. ID	OJ990727_07.9B24.C6
Gene No.	34123	Strand	-
Start	24	End	499
Name	OJ990727_07.9B24.C6.o1.gs	Method	GENSCAN
Start	24	End	499
GI	none	Score	.98
Exons	24..499		

Seq. No.	16167	Seq. ID	OJ990727_07.9B24.C9
Gene No.	34124	Strand	+
Start	1071	End	1189
Name	OJ990727_07.9B24.C9.o1.gs	Method	GENSCAN
Start	1071	End	1189
GI	none	Score	.56
Exons	1071..1189		

Seq. No.	16168	Seq. ID	OJ990727_07.9B24.C10
Gene No.	34125	Strand	-
Start	1	End	7777
Name	OJ990727_07.9B24.C10.o1.np	Method	AAT/NAP
Start	1	End	1340

GI	3858935	Score	475
Exons	1..21, 302..492, 1121..1340		
GI Descrip.	(AL021636) synaptobrevin-like protein [Arabidopsis thaliana] gi\|4103357 (AF025332) vesicle-associated membrane protein 7C; synaptobrevin 7C [Arabidopsis thaliana]		

Seq. No.	16168	Seq. ID	OJ990727_07.9B24.C10
Gene No.	34125	Strand	-
Start	1	End	7777
Name	OJ990727_07.9B24.C10.o2.np	Method	AAT/NAP
Start	1	End	7777
GI	124178	Score	134
Exons	1..20, 1292..1425, 3888..4143, 5014..5298, 7112..7340, 7522..7777		
GI Descrip.	IMMEDIATE-EARLY PROTEIN IE180 gi\|59968\|emb\|CAA33214\| (X15120) immediate-early protein (AA 1-1460) [Pseudorabies virus]		

Seq. No.	16168	Seq. ID	OJ990727_07.9B24.C10
Gene No.	34125	Strand	-
Start	1	End	7777
Name	OJ990727_07.9B24.C10.o1.tm	Method	TBLASTX:Maize
Start	184	End	1343
GI	none	Score	237
Exons	184..393, 300..491, 302..490, 1110..1343, 1110..1340		

Seq. No.	16168	Seq. ID	OJ990727_07.9B24.C10
Gene No.	34125	Strand	-
Start	1	End	7777
Name	OJ990727_07.9B24.C10.o1.gp	Method	AAT/GAP
Start	265	End	1464
GI	17941_1.R1084	Score	970
Exons	265..492, 1121..1464		
GI Descrip.	'3858935/emb\|CAA16574.1\| 1.0e-46 (AL021636) synaptobrevin-like protein [Arabidopsis thaliana] >gi_4103357 (AF025332) vesicle-associated membrane protein 7C; synaptobrevin 7C [Arabidopsis thaliana]'		

Seq. No.	16168	Seq. ID	OJ990727_07.9B24.C10
Gene No.	34125	Strand	-
Start	1	End	7777
Name	OJ990727_07.9B24.C10.o1.tc	Method	TBLASTX:Cress
Start	300	End	1349
GI	none	Score	173
Exons	300..488, 302..490, 1110..1226, 1122..1217, 1227..1340, 1296..1349		

Seq. No.	16168	Seq. ID	OJ990727_07.9B24.C10
Gene No.	34125	Strand	-
Start	1	End	7777
Name	OJ990727_07.9B24.C10.o1.ts	Method	TBLASTX:Soybean
Start	300	End	1340
GI	none	Score	172
Exons	300..491, 300..392, 302..490, 438..494, 1110..1226, 1122..1217, 1123..1227, 1227..1340		

Seq. No.	16168	Seq. ID	OJ990727_07.9B24.C10
Gene No.	34125	Strand	-

Start	1	End	7777
Name	OJ990727_07.9B24.C10.o1.gs	Method	GENSCAN
Start	302	End	1340
GI	none	Score	.96
Exons	302..492, 1121..1340		

Seq. No.	16168	Seq. ID	OJ990727_07.9B24.C10
Gene No.	34125	Strand	-
Start	1	End	7777
Name	OJ990727_07.9B24.C10.o1.tw	Method	TBLASTX:Wheat
Start	438	End	1341
GI	none	Score	76
Exons	438..491, 438..485, 439..501, 440..490, 1110..1340, 1119..1340, 1120..1341		

Seq. No.	16169	Seq. ID	OJ990727_07.9B24.C11
Gene No.	34126	Strand	+
Start	1512	End	2530
Name	OJ990727_07.9B24.C11.o1.np	Method	AAT/NAP
Start	1512	End	2530
GI	4582447	Score	346
Exons	1512..2530		
GI Descrip.	(AC007071) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		

Seq. No.	16169	Seq. ID	OJ990727_07.9B24.C11
Gene No.	34126	Strand	+
Start	1512	End	2530
Name	OJ990727_07.9B24.C11.o1.tm	Method	TBLASTX:Maize
Start	1810	End	2530
GI	none	Score	575
Exons	1810..2076, 1811..2530, 1859..2206, 2263..2499		

Seq. No.	16169	Seq. ID	OJ990727_07.9B24.C11
Gene No.	34126	Strand	+
Start	1512	End	2530
Name	OJ990727_07.9B24.C11.o2.tw	Method	TBLASTX:Wheat
Start	1844	End	2074
GI	none	Score	180
Exons	1844..2074, 1864..2007		

Seq. No.	16169	Seq. ID	OJ990727_07.9B24.C11
Gene No.	34126	Strand	+
Start	1512	End	2530
Name	OJ990727_07.9B24.C11.o1.tw	Method	TBLASTX:Wheat
Start	2078	End	2488
GI	none	Score	158
Exons	2078..2263, 2264..2419, 2275..2415, 2429..2488		

Seq. No.	16170	Seq. ID	OJ990727_07.9B24.C13
Gene No.	34127	Strand	-
Start	127	End	175
Name	OJ990727_07.9B24.C13.o1.gs	Method	GENSCAN
Start	127	End	175
GI	none	Score	.49
Exons	127..175		

Seq. No.	16171	Seq. ID	OJ990727_07.9B24.C14
Gene No.	34128	Strand	-
Start	593	End	784
Name	OJ990727_07.9B24.C14.o1.gs	Method	GENSCAN
Start	593	End	784
GI	none	Score	.62
Exons	593..784		

Seq. No.	16172	Seq. ID	OJ990727_07.9B24.C15
Gene No.	34129	Strand	-
Start	1	End	1505
Name	OJ990727_07.9B24.C15.o1.gp	Method	AAT/GAP
Start	1	End	235
GI	none	Score	417
Exons	1..235		

Seq. No.	16172	Seq. ID	OJ990727_07.9B24.C15
Gene No.	34129	Strand	-
Start	1	End	1505
Name	OJ990727_07.9B24.C15.o1.np	Method	AAT/NAP
Start	1	End	1505
GI	5430761	Score	388
Exons	1..21, 377..707, 906..1165, 1274..1505		
GI Descrip.	(AC007504) Similar to ethylene-forming-enzyme-like dioxygenase [Arabidopsis thaliana]		

Seq. No.	16172	Seq. ID	OJ990727_07.9B24.C15
Gene No.	34129	Strand	-
Start	1	End	1505
Name	OJ990727_07.9B24.C15.o1.tc	Method	TBLASTX:Cress
Start	372	End	709
GI	none	Score	73
Exons	372..566, 377..709		

Seq. No.	16172	Seq. ID	OJ990727_07.9B24.C15
Gene No.	34129	Strand	-
Start	1	End	1505
Name	OJ990727_07.9B24.C15.o1.tm	Method	TBLASTX:Maize
Start	372	End	1441
GI	none	Score	183
Exons	372..602, 377..625, 377..625, 632..709, 926..1165, 927..1166, 985..1167, 1266..1433, 1271..1441		

Seq. No.	16172	Seq. ID	OJ990727_07.9B24.C15
Gene No.	34129	Strand	-
Start	1	End	1505
Name	OJ990727_07.9B24.C15.o2.gp	Method	AAT/GAP
Start	376	End	681
GI	LIB3434-011-P1-K1-D6	Score	551
Exons	376..681		
GI Descrip.	'5430761/gb\|AAD43161.1\|AC007504_16 7.0e-40 (AC007504) Similar to ethylene-forming-enzyme-like dioxygenase [Arabidopsis thaliana]'		

Seq. No.	16172	Seq. ID	OJ990727_07.9B24.C15
Gene No.	34129	Strand	-
Start	1	End	1505
Name	OJ990727_07.9B24.C15.o1.tw	Method	TBLASTX:Wheat

Start	377	End	581
GI	none	Score	72
Exons	377..568, 378..581		

Seq. No.	16172	Seq. ID	OJ990727_07.9B24.C15
Gene No.	34129	Strand	-
Start	1	End	1505
Name	OJ990727_07.9B24.C15.o1.gs	Method	GENSCAN
Start	380	End	1492
GI	none	Score	.72
Exons	380..707, 906..1165, 1274..1492		

Seq. No.	16172	Seq. ID	OJ990727_07.9B24.C15
Gene No.	34129	Strand	-
Start	1	End	1505
Name	OJ990727_07.9B24.C15.o1.ts	Method	TBLASTX:Soybean
Start	380	End	568
GI	none	Score	75
Exons	380..568, 387..566		

Seq. No.	16173	Seq. ID	OJ990727_07.9B24.C16
Gene No.	34130	Strand	-
Start	1358	End	3173
Name	OJ990727_07.9B24.C16.o1.gs	Method	GENSCAN
Start	1358	End	3124
GI	none	Score	.57
Exons	1358..1504, 1535..1622, 2279..2535, 2686..2767, 2946..3124		

Seq. No.	16173	Seq. ID	OJ990727_07.9B24.C16
Gene No.	34130	Strand	-
Start	1358	End	3173
Name	OJ990727_07.9B24.C16.o1.np	Method	AAT/NAP
Start	1424	End	3173
GI	2688828	Score	509
Exons	1424..1654, 2293..2760, 2801..3173		
GI Descrip.	(U97530) ethylene-forming-enzyme-like dioxygenase [Prunus armeniaca]		

Seq. No.	16173	Seq. ID	OJ990727_07.9B24.C16
Gene No.	34130	Strand	-
Start	1358	End	3173
Name	OJ990727_07.9B24.C16.o1.tm	Method	TBLASTX:Maize
Start	1496	End	2953
GI	none	Score	36
Exons	1496..1621, 2293..2358, 2293..2601, 2351..2581, 2647..2772, 2678..2764, 2816..2902, 2820..2906, 2909..2953		

Seq. No.	16173	Seq. ID	OJ990727_07.9B24.C16
Gene No.	34130	Strand	-
Start	1358	End	3173
Name	OJ990727_07.9B24.C16.o1.tc	Method	TBLASTX:Cress
Start	2293	End	2906
GI	none	Score	84
Exons	2293..2493, 2363..2485, 2551..2736, 2820..2906		

Seq. No.	16173	Seq. ID	OJ990727_07.9B24.C16
Gene No.	34130	Strand	-

Start	1358	End	3173
Name	OJ990727_07.9B24.C16.o1.tw	Method	TBLASTX:Wheat
Start	2293	End	2487
GI	none	Score	58
Exons	2293..2487, 2296..2358, 2351..2482		

Seq. No.	16173	Seq. ID	OJ990727_07.9B24.C16
Gene No.	34130	Strand	-
Start	1358	End	3173
Name	OJ990727_07.9B24.C16.o1.ts	Method	TBLASTX:Soybean
Start	2293	End	2906
GI	none	Score	56
Exons	2293..2517, 2548..2718, 2820..2906		

Seq. No.	16174	Seq. ID	OJ990727_07.9B24.C17
Gene No.	34131	Strand	+
Start	5110	End	11033
Name	OJ990727_07.9B24.C17.o2.gs	Method	GENSCAN
Start	5110	End	11033
GI	none	Score	.77
Exons	5110..5271, 5581..6022, 6059..6237, 6325..6436, 8616..8679, 8836..8971, 9060..9292, 9383..9747, 9780..9886, 10308..11033		

Seq. No.	16174	Seq. ID	OJ990727_07.9B24.C17
Gene No.	34131	Strand	+
Start	5110	End	11033
Name	OJ990727_07.9B24.C17.o2.np	Method	AAT/NAP
Start	5187	End	7826
GI	6730725	Score	439
Exons	5187..6052, 6184..6237, 6325..6436, 7512..7564, 7686..7826		
GI Descrip.	(AC018849) unknown protein [Arabidopsis thaliana]		

Seq. No.	16174	Seq. ID	OJ990727_07.9B24.C17
Gene No.	34131	Strand	+
Start	5110	End	11033
Name	OJ990727_07.9B24.C17.o3.np	Method	AAT/NAP
Start	9209	End	11024
GI	6466945	Score	804
Exons	9209..9292, 9383..9743, 10308..10592, 10650..11024		
GI Descrip.	(AC009176) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	16174	Seq. ID	OJ990727_07.9B24.C17
Gene No.	34132	Strand	-
Start	842	End	4661
Name	OJ990727_07.9B24.C17.o1.gp	Method	AAT/GAP
Start	532	End	3603
GI	1987_1.R1084	Score	1575
Exons	532..864, 957..1069, 1563..1634, 2242..2292, 2727..2814, 2895..3018, 3351..3423, 3555..3603		
GI Descrip.	'4567247/gb\|AAD23661.1\|AC007070_10 6.0e-37 (AC007070) unknown protein [Arabidopsis thaliana]'		

Seq. No.	16174	Seq. ID	OJ990727_07.9B24.C17
Gene No.	34132	Strand	-
Start	842	End	4661
Name	OJ990727_07.9B24.C17.o1.gs	Method	GENSCAN
Start	842	End	4661

GI	none	Score	.89
Exons	842..864, 957..1069, 1563..1634, 2242..2377, 2895..3018, 3351..3423, 3555..3615, 3799..3989, 4365..4546, 4551..4661		

Seq. No.	16174	Seq. ID	OJ990727_07.9B24.C17
Gene No.	34132	Strand	-
Start	842	End	4661
Name	OJ990727_07.9B24.C17.o1.np	Method	AAT/NAP
Start	952	End	4492
GI	4567247	Score	803
Exons	952..1028, 1552..1634, 2242..2292, 2727..2814, 2895..3018, 3351..3423, 3555..3615, 3799..3989, 4074..4123, 4213..4276, 4365..4492		
GI Descrip.	(AC007070) unknown protein [Arabidopsis thaliana]		

Seq. No.	16174	Seq. ID	OJ990727_07.9B24.C17
Gene No.	34132	Strand	-
Start	842	End	4661
Name	OJ990727_07.9B24.C17.o2.gp	Method	AAT/GAP
Start	3823	End	4583
GI	22048_1.R1084	Score	932
Exons	3823..3989, 4074..4123, 4213..4276, 4365..4583		
GI Descrip.	'4567247/gb\|AAD23661.1\|AC007070_10 2.0e-32 (AC007070) unknown protein [Arabidopsis thaliana]'		

Seq. No.	16174	Seq. ID	OJ990727_07.9B24.C17
Gene No.	34133	Strand	-
Start	12242	End	13317
Name	OJ990727_07.9B24.C17.o3.tm	Method	TBLASTX:Maize
Start	947	End	3907
GI	none	Score	161
Exons	947..1072, 952..1062, 1552..1632, 1563..1637, 1565..1633, 2239..2310, 2241..2291, 2726..2818, 2726..2818, 2896..3018, 2897..2971, 2899..3042, 3323..3424, 3346..3444, 3351..3425, 3537..3617, 3556..3618, 3557..3616, 3792..3881, 3797..3907		

Seq. No.	16174	Seq. ID	OJ990727_07.9B24.C17
Gene No.	34133	Strand	-
Start	12242	End	13317
Name	OJ990727_07.9B24.C17.o5.ts	Method	TBLASTX:Soybean
Start	952	End	2982
GI	none	Score	91
Exons	952..1062, 953..1078, 1565..1633, 2241..2291, 2245..2283, 2726..2818, 2727..2789, 2896..2982, 2896..2982		

Seq. No.	16174	Seq. ID	OJ990727_07.9B24.C17
Gene No.	34133	Strand	-
Start	12242	End	13317
Name	OJ990727_07.9B24.C17.o3.tc	Method	TBLASTX:Cress
Start	1565	End	3853
GI	none	Score	68
Exons	1565..1633, 2241..2291, 2251..2283, 2726..2818, 2896..3012, 2896..3018, 2913..3014, 3326..3424, 3349..3444, 3351..3425, 3537..3614, 3556..3618, 3557..3613, 3800..3853		

Seq. No.	16174	Seq. ID	OJ990727_07.9B24.C17
Gene No.	34133	Strand	-

Start	12242	End	13317
Name	OJ990727_07.9B24.C17.o3.ts	Method	TBLASTX:Soybean
Start	3569	End	4415
GI	none	Score	73
Exons	3569..3616, 3570..3617, 3792..3881, 3797..3895, 3869..3979, 3891..3968, 3918..3998, 4074..4121, 4076..4126, 4219..4278, 4220..4279, 4364..4414, 4368..4415		

Seq. No.	16174	Seq. ID	OJ990727_07.9B24.C17
Gene No.	34133	Strand	-
Start	12242	End	13317
Name	OJ990727_07.9B24.C17.o2.tm	Method	TBLASTX:Maize
Start	3911	End	4523
GI	none	Score	81
Exons	3911..3979, 3912..3968, 3915..3998, 3916..3999, 3916..4008, 3917..4006, 4074..4124, 4076..4123, 4210..4278, 4211..4273, 4222..4281, 4364..4426, 4365..4427, 4466..4522, 4467..4523		

Seq. No.	16174	Seq. ID	OJ990727_07.9B24.C17
Gene No.	34133	Strand	-
Start	12242	End	13317
Name	OJ990727_07.9B24.C17.o2.ts	Method	TBLASTX:Soybean
Start	9237	End	10415
GI	none	Score	44
Exons	9237..9302, 9380..9493, 9381..9512, 9537..9743, 9692..9742, 10230..10415, 10307..10414		

Seq. No.	16174	Seq. ID	OJ990727_07.9B24.C17
Gene No.	34133	Strand	-
Start	12242	End	13317
Name	OJ990727_07.9B24.C17.o4.tc	Method	TBLASTX:Cress
Start	9402	End	9746
GI	none	Score	95
Exons	9402..9509, 9540..9746		

Seq. No.	16174	Seq. ID	OJ990727_07.9B24.C17
Gene No.	34133	Strand	-
Start	12242	End	13317
Name	OJ990727_07.9B24.C17.o4.tm	Method	TBLASTX:Maize
Start	9663	End	10994
GI	none	Score	87
Exons	9663..9761, 10661..10801, 10662..10901, 10671..10883, 10923..10994		

Seq. No.	16174	Seq. ID	OJ990727_07.9B24.C17
Gene No.	34133	Strand	-
Start	12242	End	13317
Name	OJ990727_07.9B24.C17.o2.tw	Method	TBLASTX:Wheat
Start	10506	End	10919
GI	none	Score	82
Exons	10506..10571, 10662..10736, 10673..10741, 10731..10919, 10731..10829		

Seq. No.	16174	Seq. ID	OJ990727_07.9B24.C17
Gene No.	34133	Strand	-
Start	12242	End	13317
Name	OJ990727_07.9B24.C17.o2.tc	Method	TBLASTX:Cress

Start	10662	End	10997
GI	none	Score	312
Exons	10662..10997, 10682..10804		

Seq. No.	16174	Seq. ID	OJ990727_07.9B24.C17
Gene No.	34133	Strand	-
Start	12242	End	13317
Name	OJ990727_07.9B24.C17.o4.ts	Method	TBLASTX:Soybean
Start	10662	End	10814
GI	none	Score	213
Exons	10662..10814, 10682..10804		

Seq. No.	16174	Seq. ID	OJ990727_07.9B24.C17
Gene No.	34133	Strand	-
Start	12242	End	13317
Name	OJ990727_07.9B24.C17.o3.gp	Method	AAT/GAP
Start	12242	End	13012
GI	8546_2.R1084	Score	1183
Exons	12242..13012		
GI Descrip.	'5091520/dbj\|BAA78755.1\| 4.0e-59 (AB023482) ESTs AU058081(E30812),AU058365(E50679), AU030138(E50679) correspond to a region of the predicted gene.; Similar to Spinacia oleracea mRNA for proteasome 37kD subunit.(X96974) [Oryza sativa]'		

Seq. No.	16174	Seq. ID	OJ990727_07.9B24.C17
Gene No.	34133	Strand	-
Start	12242	End	13317
Name	OJ990727_07.9B24.C17.o1.tm	Method	TBLASTX:Maize
Start	12457	End	13234
GI	none	Score	357
Exons	12457..12771, 12467..12841, 12769..13233, 12770..12919, 12961..13032, 12971..13234, 13193..13234		

Seq. No.	16174	Seq. ID	OJ990727_07.9B24.C17
Gene No.	34133	Strand	-
Start	12242	End	13317
Name	OJ990727_07.9B24.C17.o3.gs	Method	GENSCAN
Start	12472	End	13224
GI	none	Score	.99
Exons	12472..13224		

Seq. No.	16174	Seq. ID	OJ990727_07.9B24.C17
Gene No.	34133	Strand	-
Start	12242	End	13317
Name	OJ990727_07.9B24.C17.o4.np	Method	AAT/NAP
Start	12475	End	13224
GI	5091520	Score	1264
Exons	12475..13224		
GI Descrip.	(AB023482) ESTs AU058081(E30812),AU058365(E50679), AU030138(E50679) correspond to a region of the predicted gene.; Similar to Spinacia oleracea mRNA for proteasome 37kD subunit.(X96974) [Oryza sativa]		

Seq. No.	16174	Seq. ID	OJ990727_07.9B24.C17
Gene No.	34133	Strand	-
Start	12242	End	13317
Name	OJ990727_07.9B24.C17.o1.tc	Method	TBLASTX:Cress

Start	12478	End	13225
GI	none	Score	55
Exons	12478..12555, 12479..12556, 12568..13224, 12569..12919, 12971..13081, 13136..13225		

Seq. No.	16174	Seq. ID	OJ990727_07.9B24.C17
Gene No.	34133	Strand	-
Start	12242	End	13317
Name	OJ990727_07.9B24.C17.o1.ts	Method	TBLASTX:Soybean
Start	12568	End	13225
GI	none	Score	78
Exons	12568..12660, 12569..12652, 12661..13224, 12662..12919, 12971..13225		

Seq. No.	16174	Seq. ID	OJ990727_07.9B24.C17
Gene No.	34133	Strand	-
Start	12242	End	13317
Name	OJ990727_07.9B24.C17.o1.tw	Method	TBLASTX:Wheat
Start	12596	End	13234
GI	none	Score	436
Exons	12596..12919, 12598..13014, 12961..13014, 12971..13015, 13138..13233, 13139..13234, 13193..13234		

Seq. No.	16174	Seq. ID	OJ990727_07.9B24.C17
Gene No.	34133	Strand	-
Start	12242	End	13317
Name	OJ990727_07.9B24.C17.o4.gp	Method	AAT/GAP
Start	12961	End	13317
GI	31845_2.R1084	Score	676
Exons	12961..13317		
GI Descrip.	'5091520/dbj\|BAA78755.1\| 1.0e-27 (AB023482) ESTs AU058081(E30812),AU058365(E50679), AU030138(E50679) correspond to a region of the predicted gene.; Similar to Spinacia oleracea mRNA for proteasome 37kD subunit.(X96974) [Oryza sativa]'		

Seq. No.	16175	Seq. ID	OJ990727_07.9B24.C18
Gene No.	34134	Strand	+
Start	292	End	685
Name	OJ990727_07.9B24.C18.o1.gs	Method	GENSCAN
Start	292	End	685
GI	none	Score	.56
Exons	292..352, 621..685		

Seq. No.	16175	Seq. ID	OJ990727_07.9B24.C18
Gene No.	34135	Strand	+
Start	10475	End	10930
Name	OJ990727_07.9B24.C18.o3.gp	Method	AAT/GAP
Start	10475	End	10930
GI	4968598	Score	757
Exons	10475..10930		

Seq. No.	16175	Seq. ID	OJ990727_07.9B24.C18
Gene No.	34136	Strand	+
Start	11126	End	11653
Name	OJ990727_07.9B24.C18.o3.np	Method	AAT/NAP
Start	11126	End	11653
GI	6539588	Score	174

Exons	11126..11436, 11575..11653		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	16175	Seq. ID	OJ990727_07.9B24.C18
Gene No.	34137	Strand	-
Start	1059	End	9574
Name	OJ990727_07.9B24.C18.o1.gp	Method	AAT/GAP
Start	1059	End	3089
GI	10341_1.R1084	Score	1026
Exons	1059..1334, 2824..3089		
GI Descrip.	'2252840 3.0e-09 (AF013293) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana] >gi_6049882_gb_AAF02797.1_AF195115_17 (AF195115) contains regions of similarity to Haemophilus influenzae permease (SP:P38767) [Arabidopsis thaliana]'		

Seq. No.	16175	Seq. ID	OJ990727_07.9B24.C18
Gene No.	34137	Strand	-
Start	1059	End	9574
Name	OJ990727_07.9B24.C18.o1.tw	Method	TBLASTX:Wheat
Start	1129	End	2997
GI	none	Score	36
Exons	1129..1152, 1131..1157, 1131..1160, 1180..1254, 1206..1262, 1278..1334, 1282..1335, 1286..1336, 2817..2996, 2818..2997		

Seq. No.	16175	Seq. ID	OJ990727_07.9B24.C18
Gene No.	34137	Strand	-
Start	1059	End	9574
Name	OJ990727_07.9B24.C18.o2.tm	Method	TBLASTX:Maize
Start	1131	End	3161
GI	none	Score	70
Exons	1131..1166, 1283..1336, 1284..1334, 1284..1340, 2817..2996, 2818..2997, 3099..3161		

Seq. No.	16175	Seq. ID	OJ990727_07.9B24.C18
Gene No.	34137	Strand	-
Start	1059	End	9574
Name	OJ990727_07.9B24.C18.o2.tc	Method	TBLASTX:Cress
Start	1286	End	2997
GI	none	Score	183
Exons	1286..1333, 2817..2996, 2818..2997		

Seq. No.	16175	Seq. ID	OJ990727_07.9B24.C18
Gene No.	34137	Strand	-
Start	1059	End	9574
Name	OJ990727_07.9B24.C18.o1.np	Method	AAT/NAP
Start	1289	End	2993
GI	6630544	Score	284
Exons	1289..1334, 2824..2993		
GI Descrip.	(AC011708) putative ubiquinol-cytochrome C reductase complex ubiquinone-binding protein (QP-C) [Arabidopsis thaliana]		

Seq. No.	16175	Seq. ID	OJ990727_07.9B24.C18
Gene No.	34137	Strand	-
Start	1059	End	9574
Name	OJ990727_07.9B24.C18.o2.gs	Method	GENSCAN
Start	2520	End	8138

GI	none	Score	.74
Exons	2520..3092, 3562..3662, 4085..4249, 4426..4528, 4679..4786, 4972..5149, 5454..5535, 5646..5742, 5870..5981, 6446..6545, 6648..6687, 7669..7781, 7871..8138		

Seq. No.	16175	Seq. ID	OJ990727_07.9B24.C18
Gene No.	34137	Strand	-
Start	1059	End	9574
Name	OJ990727_07.9B24.C18.o1.ts	Method	TBLASTX:Soybean
Start	2820	End	2997
GI	none	Score	166
Exons	2820..2996, 2821..2997		

Seq. No.	16175	Seq. ID	OJ990727_07.9B24.C18
Gene No.	34137	Strand	-
Start	1059	End	9574
Name	OJ990727_07.9B24.C18.o2.gp	Method	AAT/GAP
Start	3928	End	4775
GI	58312_1.R1084	Score	996
Exons	3928..4249, 4426..4528, 4679..4775		
GI Descrip.	'4176420/dbj\|BAA37167\| 2.0e-11 (AB008097) cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	16175	Seq. ID	OJ990727_07.9B24.C18
Gene No.	34137	Strand	-
Start	1059	End	9574
Name	OJ990727_07.9B24.C18.o1.tm	Method	TBLASTX:Maize
Start	4060	End	7783
GI	none	Score	108
Exons	4060..4269, 4080..4250, 4114..4275, 4424..4531, 4425..4529, 4427..4531, 4434..4535, 4677..4787, 4679..4789, 4680..4790, 4971..5090, 4971..5087, 4972..5091, 4973..5092, 5396..5539, 5448..5540, 5641..5739, 5642..5740, 5643..5744, 5865..5987, 5870..5983, 5874..5984, 6069..6167, 6071..6169, 6265..6360, 6271..6360, 6442..6519, 6446..6463, 6447..6524, 6450..6521, 7669..7782, 7670..7783		

Seq. No.	16175	Seq. ID	OJ990727_07.9B24.C18
Gene No.	34137	Strand	-
Start	1059	End	9574
Name	OJ990727_07.9B24.C18.o2.np	Method	AAT/NAP
Start	4077	End	9574
GI	1708993	Score	1280
Exons	4077..4249, 4426..4528, 4679..4786, 4972..5089, 5454..5535, 5646..5742, 5870..5981, 6078..6165, 6267..6358, 6446..6516, 7669..7771, 9434..9574		
GI Descrip.	CYSTATHIONINE BETA-LYASE PRECURSOR (CBL) (BETA-CYSTATHIONASE) (CYSTEINE LYASE) gi\|2129567\|pir\|\|S61429 cystathionine beta-lyase (EC 4.4.1.8) - Arabidopsis thaliana gi\|704397 (L40511) cystathionine beta-lyase [Arabidopsis thaliana] gi\|6911875\|emb\|CAB72175.1\| (AL138655) CYSTATHIONINE BETA-LYASE PRECURSOR (CBL) [Arabidopsis thaliana]		

Seq. No.	16175	Seq. ID	OJ990727_07.9B24.C18
Gene No.	34137	Strand	-
Start	1059	End	9574
Name	OJ990727_07.9B24.C18.o2.ts	Method	TBLASTX:Soybean

Start	4080	End	5543
GI	none	Score	119
Exons	4080..4265, 4081..4251, 4114..4275, 4424..4531, 4425..4529, 4425..4535, 4679..4789, 4683..4790, 4970..5068, 4970..5062, 4972..5088, 4990..5088, 5393..5542, 5396..5542, 5451..5543		

Seq. No.	16175	Seq. ID	OJ990727_07.9B24.C18
Gene No.	34137	Strand	-
Start	1059	End	9574
Name	OJ990727_07.9B24.C18.o1.tc	Method	TBLASTX:Cress
Start	4092	End	7770
GI	none	Score	104
Exons	4092..4247, 4131..4265, 4135..4251, 4424..4531, 4425..4529, 4679..4789, 4701..4790, 4961..5086, 4972..5088, 5396..5539, 5448..5540, 5641..5745, 5648..5743, 5648..5749, 5862..5954, 5870..5983, 5874..5987, 6071..6169, 6072..6167, 6257..6376, 6265..6360, 6442..6519, 6447..6521, 7648..7770, 7649..7768		

Seq. No.	16176	Seq. ID	OJ990727_07.9B24.C19
Gene No.	34138	Strand	+
Start	4020	End	4397
Name	OJ990727_07.9B24.C19.o3.gp	Method	AAT/GAP
Start	4020	End	4397
GI	none	Score	712
Exons	4020..4397		

Seq. No.	16176	Seq. ID	OJ990727_07.9B24.C19
Gene No.	34139	Strand	-
Start	940	End	2974
Name	OJ990727_07.9B24.C19.o1.gp	Method	AAT/GAP
Start	762	End	1743
GI	uC-osrocyp017g10a1	Score	860
Exons	762..1191, 1692..1743		
GI Descrip.	'2688828 3.0e-15 (U97530) ethylene-forming-enzyme-like dioxygenase [Prunus armeniaca]'		

Seq. No.	16176	Seq. ID	OJ990727_07.9B24.C19
Gene No.	34139	Strand	-
Start	940	End	2974
Name	OJ990727_07.9B24.C19.o1.gs	Method	GENSCAN
Start	940	End	2974
GI	none	Score	.7
Exons	940..1191, 1692..2019, 2219..2414, 2716..2974		

Seq. No.	16176	Seq. ID	OJ990727_07.9B24.C19
Gene No.	34139	Strand	-
Start	940	End	2974
Name	OJ990727_07.9B24.C19.o1.np	Method	AAT/NAP
Start	949	End	2970
GI	2688828	Score	534
Exons	949..1191, 1692..2019, 2147..2408, 2728..2970		
GI Descrip.	(U97530) ethylene-forming-enzyme-like dioxygenase [Prunus armeniaca]		

Seq. No.	16176	Seq. ID	OJ990727_07.9B24.C19
Gene No.	34139	Strand	-
Start	940	End	2974

Name	OJ990727_07.9B24.C19.o2.gp	Method	AAT/GAP
Start	1914	End	2957
GI	8671_1.R1084	Score	1105
Exons	1914..2019, 2147..2414, 2726..2957		
GI Descrip.	'2688828 6.0e-19 (U97530) ethylene-forming-enzyme-like dioxygenase [Prunus armeniaca]'		

Seq. No.	16176	Seq. ID	OJ990727_07.9B24.C19
Gene No.	34140	Strand	-
Start	3390	End	5842
Name	OJ990727_07.9B24.C19.o1.tm	Method	TBLASTX:Maize
Start	949	End	5657
GI	none	Score	96
Exons	949..1056, 1054..1197, 1106..1198, 1689..1778, 1689..1934, 1831..1998, 1980..2021, 2167..2391, 2168..2392, 2723..2779, 2789..2833, 4303..4542, 4308..4556, 4341..4559, 4662..4862, 4665..4949, 5233..5475, 5235..5474, 5247..5486, 5499..5624, 5532..5624, 5628..5657		

Seq. No.	16176	Seq. ID	OJ990727_07.9B24.C19
Gene No.	34140	Strand	-
Start	3390	End	5842
Name	OJ990727_07.9B24.C19.o1.ts	Method	TBLASTX:Soybean
Start	949	End	4988
GI	none	Score	65
Exons	949..1050, 1048..1197, 1689..1907, 4311..4556, 4375..4542, 4665..4988		

Seq. No.	16176	Seq. ID	OJ990727_07.9B24.C19
Gene No.	34140	Strand	-
Start	3390	End	5842
Name	OJ990727_07.9B24.C19.o1.tc	Method	TBLASTX:Cress
Start	1689	End	5478
GI	none	Score	69
Exons	1689..1910, 2146..2280, 2147..2281, 2311..2391, 4308..4556, 4363..4542, 4665..4865, 5214..5351, 5379..5477, 5380..5478		

Seq. No.	16176	Seq. ID	OJ990727_07.9B24.C19
Gene No.	34140	Strand	-
Start	3390	End	5842
Name	OJ990727_07.9B24.C19.o1.tw	Method	TBLASTX:Wheat
Start	1692	End	4997
GI	none	Score	58
Exons	1692..1730, 1740..1880, 1975..1992, 4665..4724, 4707..4997, 4720..4791, 4734..4931		

Seq. No.	16176	Seq. ID	OJ990727_07.9B24.C19
Gene No.	34140	Strand	-
Start	3390	End	5842
Name	OJ990727_07.9B24.C19.o2.gs	Method	GENSCAN
Start	3390	End	5792
GI	none	Score	.87
Exons	3390..3581, 4389..4550, 4671..4995, 5215..5474, 5568..5792		

Seq. No.	16176	Seq. ID	OJ990727_07.9B24.C19
Gene No.	34140	Strand	-
Start	3390	End	5842

Name	OJ990727_07.9B24.C19.o2.np	Method	AAT/NAP
Start	4305	End	5789
GI	3335372	Score	476
Exons	4305..4550, 4671..4995, 5215..5474, 5568..5789		
GI Descrip.	(AC003028) putative anthocyanidin synthase [Arabidopsis thaliana]		

Seq. No.	16176	Seq. ID	OJ990727_07.9B24.C19
Gene No.	34140	Strand	-
Start	3390	End	5842
Name	OJ990727_07.9B24.C19.o4.gp	Method	AAT/GAP
Start	5298	End	5842
GI	6138_1.R1084	Score	677
Exons	5298..5474, 5568..5842		
GI Descrip.	'629561/pir\|\|S44261 4.0e-11 SRG1 protein - Arabidopsis thaliana >gi_479047_emb_CAA55654_ (X79052) SRG1 [Arabidopsis thaliana] >gi_5734767_gb_AAD50032.1_AC007651_27 (AC007651) SRG1 Protein [Arabidopsis thaliana]'		

Seq. No.	16177	Seq. ID	OJ990727_07.9B24.C20
Gene No.	34141	Strand	-
Start	419	End	921
Name	OJ990727_07.9B24.C20.o1.gp	Method	AAT/GAP
Start	419	End	921
GI	3767039	Score	534
Exons	419..566, 763..921		

Seq. No.	16177	Seq. ID	OJ990727_07.9B24.C20
Gene No.	34142	Strand	-
Start	1256	End	2356
Name	OJ990727_07.9B24.C20.o1.np	Method	AAT/NAP
Start	1256	End	2356
GI	5734769	Score	133
Exons	1256..1504, 2266..2356		
GI Descrip.	(AC007651) Very similar to SRG1 [Arabidopsis thaliana]		

Seq. No.	16177	Seq. ID	OJ990727_07.9B24.C20
Gene No.	34142	Strand	-
Start	1256	End	2356
Name	OJ990727_07.9B24.C20.o1.tm	Method	TBLASTX:Maize
Start	1259	End	1510
GI	none	Score	175
Exons	1259..1510, 1266..1505, 1292..1510		

Seq. No.	16178	Seq. ID	OJ990727_07.9B24.C22
Gene No.	34143	Strand	+
Start	1	End	731
Name	OJ990727_07.9B24.C22.o1.np	Method	AAT/NAP
Start	1	End	731
GI	3777527	Score	261
Exons	1..158, 318..731		
GI Descrip.	(AF053008) gag-pol polyprotein [Glycine max]		

Seq. No.	16178	Seq. ID	OJ990727_07.9B24.C22
Gene No.	34143	Strand	+
Start	1	End	731
Name	OJ990727_07.9B24.C22.o1.gs	Method	GENSCAN

Start	61	End	485
GI	none	Score	.58
Exons	61..245, 295..485		

Seq. No.	16178	Seq. ID	OJ990727_07.9B24.C22
Gene No.	34143	Strand	+
Start	1	End	731
Name	OJ990727_07.9B24.C22.o1.ts	Method	TBLASTX:Soybean
Start	449	End	731
GI	5509260	Score	199
Exons	449..499, 520..729, 532..723,	537..731	
GI Descrip.	-		

Seq. No.	16179	Seq. ID	OJ990727_07.9B24.C23
Gene No.	34144	Strand	+
Start	49	End	1405
Name	OJ990727_07.9B24.C23.o1.gs	Method	GENSCAN
Start	49	End	1405
GI	none	Score	.75
Exons	49..595, 654..1405		

Seq. No.	16179	Seq. ID	OJ990727_07.9B24.C23
Gene No.	34145	Strand	-
Start	1885	End	1994
Name	OJ990727_07.9B24.C23.o2.gs	Method	GENSCAN
Start	1885	End	1994
GI	none	Score	.95
Exons	1885..1994		

Seq. No.	16180	Seq. ID	OJ990427_08.9B19.C1
Gene No.	34146	Strand	+
Start	530	End	624
Name	OJ990427_08.9B19.C1.o1.gs	Method	GENSCAN
Start	530	End	624
GI	none	Score	.92
Exons	530..624		

Seq. No.	16181	Seq. ID	OJ990427_08.9B19.C5
Gene No.	34147	Strand	+
Start	335	End	406
Name	OJ990427_08.9B19.C5.o1.gs	Method	GENSCAN
Start	335	End	406
GI	none	Score	.72
Exons	335..406		

Seq. No.	16182	Seq. ID	OJ990427_08.9B19.C6
Gene No.	34148	Strand	-
Start	189	End	488
Name	OJ990427_08.9B19.C6.o1.gs	Method	GENSCAN
Start	189	End	488
GI	none	Score	.57
Exons	189..488		

Seq. No.	16183	Seq. ID	OJ990427_08.9B19.C7
Gene No.	34149	Strand	+
Start	1	End	2558
Name	OJ990427_08.9B19.C7.o2.np	Method	AAT/NAP

Start	1	End	2330
GI	4886284	Score	475
Exons	1..64, 1123..1855, 1941..1994, 2025..2330		
GI Descrip.	(AL050300) putative protein [Arabidopsis thaliana] gi\|6457331\|gb\|AAF09479.1\|AF188329_1 (AF188329) phytoalexin-deficient 4 protein [Arabidopsis thaliana]		

Seq. No.	16183	Seq. ID	OJ990427_08.9B19.C7
Gene No.	34149	Strand	+
Start	1	End	2558
Name	OJ990427_08.9B19.C7.o1.gs	Method	GENSCAN
Start	595	End	2307
GI	none	Score	.9
Exons	595..687, 899..1032, 1127..1855, 1941..2307		

Seq. No.	16183	Seq. ID	OJ990427_08.9B19.C7
Gene No.	34149	Strand	+
Start	1	End	2558
Name	OJ990427_08.9B19.C7.o1.gp	Method	AAT/GAP
Start	2112	End	2558
GI	3763020	Score	830
Exons	2112..2558		

Seq. No.	16183	Seq. ID	OJ990427_08.9B19.C7
Gene No.	34150	Strand	+
Start	12630	End	14278
Name	OJ990427_08.9B19.C7.o3.np	Method	AAT/NAP
Start	12630	End	14278
GI	3293031	Score	1702
Exons	12630..13081, 13178..13535, 13640..14278		
GI Descrip.	(AJ007574) amino acid carrier [Ricinus communis]		

Seq. No.	16183	Seq. ID	OJ990427_08.9B19.C7
Gene No.	34151	Strand	-
Start	707	End	889
Name	OJ990427_08.9B19.C7.o1.np	Method	AAT/NAP
Start	707	End	889
GI	133435	Score	174
Exons	707..889		
GI Descrip.	DNA-DIRECTED RNA POLYMERASE BETA' CHAIN gi\|66983\|pir\|\|RNRZC1 DNA-directed RNA polymerase (EC 2.7.7.6) beta'-1 chain - rice chloroplast gi\|11972\|emb\|CAA33987\| (X15901) RNA polymerase beta' subunit-1 [Oryza sativa] gi\|226690\|prf\|\|1603356Q RNA polymerase beta'-1 [Oryza sativa]		

Seq. No.	16183	Seq. ID	OJ990427_08.9B19.C7
Gene No.	34152	Strand	-
Start	3199	End	14266
Name	OJ990427_08.9B19.C7.o2.tc	Method	TBLASTX:Cress
Start	722	End	883
GI	none	Score	58
Exons	722..766, 723..767, 727..774, 764..871, 766..879, 767..883		

Seq. No.	16183	Seq. ID	OJ990427_08.9B19.C7
Gene No.	34152	Strand	-
Start	3199	End	14266
Name	OJ990427_08.9B19.C7.o4.tm	Method	TBLASTX:Maize

Start	1108	End	1318
GI	none	Score	78
Exons	1108..1218, 1112..1234, 1113..1250, 1124..1258, 1256..1318, 1257..1316		

Seq. No.	16183	Seq. ID	OJ990427_08.9B19.C7
Gene No.	34152	Strand	-
Start	3199	End	14266
Name	OJ990427_08.9B19.C7.o2.ts	Method	TBLASTX:Soybean
Start	1137	End	1858
GI	none	Score	94
Exons	1137..1238, 1367..1573, 1371..1568, 1605..1856, 1631..1858		

Seq. No.	16183	Seq. ID	OJ990427_08.9B19.C7
Gene No.	34152	Strand	-
Start	3199	End	14266
Name	OJ990427_08.9B19.C7.o1.tm	Method	TBLASTX:Maize
Start	1425	End	2310
GI	none	Score	614
Exons	1425..1856, 1427..1858, 1436..1873, 1522..1872, 1938..1976, 1939..2031, 1939..2040, 1990..2310, 2021..2059, 2029..2310		

Seq. No.	16183	Seq. ID	OJ990427_08.9B19.C7
Gene No.	34152	Strand	-
Start	3199	End	14266
Name	OJ990427_08.9B19.C7.o3.ts	Method	TBLASTX:Soybean
Start	1938	End	2268
GI	none	Score	60
Exons	1938..1967, 1939..1968, 2021..2236, 2023..2268, 2052..2234		

Seq. No.	16183	Seq. ID	OJ990427_08.9B19.C7
Gene No.	34152	Strand	-
Start	3199	End	14266
Name	OJ990427_08.9B19.C7.o2.gs	Method	GENSCAN
Start	3199	End	6187
GI	none	Score	.44
Exons	3199..3525, 5208..5700, 6051..6187		

Seq. No.	16183	Seq. ID	OJ990427_08.9B19.C7
Gene No.	34152	Strand	-
Start	3199	End	14266
Name	OJ990427_08.9B19.C7.o1.tw	Method	TBLASTX:Wheat
Start	5695	End	14152
GI	none	Score	227
Exons	5695..5763, 13781..13951, 13784..13873, 13786..13926, 13961..14152, 13975..14130, 14072..14140		

Seq. No.	16183	Seq. ID	OJ990427_08.9B19.C7
Gene No.	34152	Strand	-
Start	3199	End	14266
Name	OJ990427_08.9B19.C7.o1.tc	Method	TBLASTX:Cress
Start	12726	End	14173
GI	none	Score	469
Exons	12726..13082, 12764..13093, 13172..13399, 13182..13400, 13413..13535, 13418..13531, 13625..13960, 13639..13929, 13901..14173		

Seq. No.	16183	Seq. ID	OJ990427_08.9B19.C7
Gene No.	34152	Strand	-
Start	3199	End	14266
Name	OJ990427_08.9B19.C7.o1.ts	Method	TBLASTX:Soybean
Start	12726	End	14077
GI	none	Score	466
Exons	12726..13082, 12755..13078, 13172..13438, 13182..13439, 13442..13558, 13443..13535, 13625..13729, 13645..13926, 13658..13927, 13967..14077, 13981..14076		

Seq. No.	16183	Seq. ID	OJ990427_08.9B19.C7
Gene No.	34152	Strand	-
Start	3199	End	14266
Name	OJ990427_08.9B19.C7.o3.tm	Method	TBLASTX:Maize
Start	12747	End	13352
GI	none	Score	496
Exons	12747..13079, 12755..13093, 13196..13318, 13197..13352, 13199..13351		

Seq. No.	16183	Seq. ID	OJ990427_08.9B19.C7
Gene No.	34152	Strand	-
Start	3199	End	14266
Name	OJ990427_08.9B19.C7.o2.tm	Method	TBLASTX:Maize
Start	13371	End	14047
GI	none	Score	74
Exons	13371..13436, 13376..13435, 13442..13555, 13443..13535, 13625..14047, 13639..14043		

Seq. No.	16183	Seq. ID	OJ990427_08.9B19.C7
Gene No.	34152	Strand	-
Start	3199	End	14266
Name	OJ990427_08.9B19.C7.o5.tm	Method	TBLASTX:Maize
Start	14048	End	14266
GI	none	Score	191
Exons	14048..14266, 14048..14161, 14068..14163		

Seq. No.	16184	Seq. ID	OJ990427_08.9B19.C8
Gene No.	34153	Strand	+
Start	11439	End	13709
Name	OJ990427_08.9B19.C8.o3.gs	Method	GENSCAN
Start	11439	End	13709
GI	none	Score	.48
Exons	11439..11516, 11747..12344, 12355..12706, 13523..13709		

Seq. No.	16184	Seq. ID	OJ990427_08.9B19.C8
Gene No.	34154	Strand	-
Start	972	End	7456
Name	OJ990427_08.9B19.C8.o1.gs	Method	GENSCAN
Start	972	End	7397
GI	none	Score	.63
Exons	972..1133, 3271..3378, 5028..5070, 5144..5472, 6499..7003, 7009..7397		

Seq. No.	16184	Seq. ID	OJ990427_08.9B19.C8
Gene No.	34154	Strand	-
Start	972	End	7456
Name	OJ990427_08.9B19.C8.o1.gp	Method	AAT/GAP

Start	6300	End	6717
GI	LIB3433-035-P1-K1-F4	Score	808
Exons	6300..6717		
GI Descrip.	'4680178/gb\|AF111709.1\|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes'		

Seq. No.	16184	Seq. ID	OJ990427_08.9B19.C8
Gene No.	34154	Strand	-
Start	972	End	7456
Name	OJ990427_08.9B19.C8.o2.gp	Method	AAT/GAP
Start	7167	End	7456
GI	428688	Score	559
Exons	7167..7456		

Seq. No.	16184	Seq. ID	OJ990427_08.9B19.C8
Gene No.	34155	Strand	-
Start	8212	End	11327
Name	OJ990427_08.9B19.C8.o2.gs	Method	GENSCAN
Start	8212	End	11327
GI	none	Score	.58
Exons	8212..8283, 9203..9458, 9482..9618, 9811..9903, 10584..11327		

Seq. No.	16184	Seq. ID	OJ990427_08.9B19.C8
Gene No.	34156	Strand	-
Start	15652	End	16121
Name	OJ990427_08.9B19.C8.o2.tm	Method	TBLASTX:Maize
Start	5135	End	5422
GI	none	Score	62
Exons	5135..5251, 5170..5250, 5284..5319, 5299..5421, 5333..5422		

Seq. No.	16184	Seq. ID	OJ990427_08.9B19.C8
Gene No.	34156	Strand	-
Start	15652	End	16121
Name	OJ990427_08.9B19.C8.o2.tw	Method	TBLASTX:Wheat
Start	14488	End	14851
GI	none	Score	62
Exons	14488..14850, 14491..14703, 14501..14851		

Seq. No.	16184	Seq. ID	OJ990427_08.9B19.C8
Gene No.	34156	Strand	-
Start	15652	End	16121
Name	OJ990427_08.9B19.C8.o1.tm	Method	TBLASTX:Maize
Start	14605	End	15561
GI	none	Score	63
Exons	14605..15030, 14606..14893, 14945..15031, 15040..15081, 15042..15143, 15153..15404, 15168..15404, 15383..15538, 15394..15561		

Seq. No.	16184	Seq. ID	OJ990427_08.9B19.C8
Gene No.	34156	Strand	-
Start	15652	End	16121
Name	OJ990427_08.9B19.C8.o1.tw	Method	TBLASTX:Wheat
Start	15180	End	15507
GI	none	Score	134
Exons	15180..15407, 15238..15402, 15397..15495, 15397..15507		

Seq. No.	16184	Seq. ID	OJ990427_08.9B19.C8
Gene No.	34156	Strand	-
Start	15652	End	16121
Name	OJ990427_08.9B19.C8.o4.gs	Method	GENSCAN
Start	15652	End	16121
GI	none	Score	.44
Exons	15652..15872, 16012..16121		

Seq. No.	16185	Seq. ID	OJ990427_08.9B19.C9
Gene No.	34157	Strand	+
Start	3470	End	4265
Name	OJ990427_08.9B19.C9.o2.np	Method	AAT/NAP
Start	3470	End	4265
GI	3608155	Score	227
Exons	3470..4265		
GI Descrip.	(AC005314) putative pre-mRNA splicing factor RNA helicase [Arabidopsis thaliana]		

Seq. No.	16185	Seq. ID	OJ990427_08.9B19.C9
Gene No.	34158	Strand	-
Start	435	End	2175
Name	OJ990427_08.9B19.C9.o1.gs	Method	GENSCAN
Start	435	End	2175
GI	none	Score	.48
Exons	435..448, 1301..1352, 1443..1920, 1937..2175		

Seq. No.	16185	Seq. ID	OJ990427_08.9B19.C9
Gene No.	34159	Strand	-
Start	2879	End	2980
Name	OJ990427_08.9B19.C9.o1.np	Method	AAT/NAP
Start	2879	End	2980
GI	5922634	Score	126
Exons	2879..2980		
GI Descrip.	(AP000492) hypothetical protein [Oryza sativa] gi\|6016867\|dbj\|BAA85210.1\| (AP000570) hypothetical protein [Oryza sativa]		

Seq. No.	16185	Seq. ID	OJ990427_08.9B19.C9
Gene No.	34160	Strand	-
Start	11193	End	15715
Name	OJ990427_08.9B19.C9.o3.np	Method	AAT/NAP
Start	11193	End	15715
GI	6862925	Score	54
Exons	11193..11281, 14329..14475, 15678..15715		
GI Descrip.	(AC018907) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	16186	Seq. ID	OJ990427_08.9B19.C10
Gene No.	34161	Strand	+
Start	1	End	9044
Name	OJ990427_08.9B19.C10.o1.np	Method	AAT/NAP
Start	1	End	5228
GI	4584539	Score	188
Exons	1..378, 418..781, 2467..2676, 5127..5228		
GI Descrip.	(AL049608) extensin-like protein [Arabidopsis thaliana]		

Seq. No.	16186	Seq. ID	OJ990427_08.9B19.C10
Gene No.	34161	Strand	+

Start	1	End	9044
Name	OJ990427_08.9B19.C10.o1.gs	Method	GENSCAN
Start	208	End	9044
GI	none	Score	.5
Exons	208..321, 414..505, 549..835, 1548..1677, 1697..1872, 2157..2298, 2454..2676, 2893..3010, 5205..5298, 6018..6198, 7222..7367, 8554..8629, 8707..9044		

Seq. No.	16186	Seq. ID	OJ990427_08.9B19.C10
Gene No.	34161	Strand	+
Start	1	End	9044
Name	OJ990427_08.9B19.C10.o1.gp	Method	AAT/GAP
Start	2157	End	2367
GI	1631463	Score	330
Exons	2157..2367		
GI Descrip.	4680178/gb\|AF111709.1\|AF111709 5.0e-81 Oryza sativa subsp. indica Retrosat 1 retrotransposon and Ty3-Gypsy type Retrosat 2 retrotransposon, complete sequences; and unknown genes		

Seq. No.	16186	Seq. ID	OJ990427_08.9B19.C10
Gene No.	34162	Strand	+
Start	15003	End	20112
Name	OJ990427_08.9B19.C10.o2.np	Method	AAT/NAP
Start	15003	End	20112
GI	1184075	Score	539
Exons	15003..15044, 16350..17931, 20056..20112		
GI Descrip.	(U42444) Cf-2.1 [Lycopersicon pimpinellifolium] gi\|1587673\|prf\|\|2207203A Cf-2 gene [Lycopersicon esculentum]		

Seq. No.	16186	Seq. ID	OJ990427_08.9B19.C10
Gene No.	34163	Strand	+
Start	20286	End	21344
Name	OJ990427_08.9B19.C10.o3.np	Method	AAT/NAP
Start	20286	End	21344
GI	6721543	Score	181
Exons	20286..20414, 21228..21344		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	16186	Seq. ID	OJ990427_08.9B19.C10
Gene No.	34164	Strand	+
Start	21271	End	22916
Name	OJ990427_08.9B19.C10.o2.gp	Method	AAT/GAP
Start	21271	End	21838
GI	LIB3475-007-P1-K1-G8	Score	634
Exons	21271..21309, 21413..21511, 21588..21838		
GI Descrip.	'5441880/dbj\|BAA82378.1\| 5.0e-75 (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]'		

Seq. No.	16186	Seq. ID	OJ990427_08.9B19.C10
Gene No.	34164	Strand	+
Start	21271	End	22916
Name	OJ990427_08.9B19.C10.o4.np	Method	AAT/NAP
Start	21307	End	22916
GI	5441880	Score	1314
Exons	21307..21511, 21588..21846, 22091..22188, 22435..22566, 22682..22916		

GI Descrip. (AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]

Seq. No.	16186	Seq. ID	OJ990427_08.9B19.C10
Gene No.	34165	Strand	-
Start	10324	End	15125
Name	OJ990427_08.9B19.C10.o2.gs	Method	GENSCAN
Start	10324	End	15125
GI	none	Score	.65
Exons	10324..10441, 10539..10717, 12879..13205, 13417..13509, 14375..14596, 15075..15125		

Seq. No.	16186	Seq. ID	OJ990427_08.9B19.C10
Gene No.	34166	Strand	-
Start	23416	End	23960
Name	OJ990427_08.9B19.C10.o2.tc	Method	TBLASTX:Cress
Start	13221	End	13382
GI	none	Score	183
Exons	13221..13337, 13225..13338, 13228..13338, 13233..13340, 13330..13377, 13337..13381, 13338..13382		

Seq. No.	16186	Seq. ID	OJ990427_08.9B19.C10
Gene No.	34166	Strand	-
Start	23416	End	23960
Name	OJ990427_08.9B19.C10.o1.tm	Method	TBLASTX:Maize
Start	16674	End	17933
GI	none	Score	49
Exons	16674..16733, 16737..16874, 16743..16877, 16752..16871, 16767..16877, 16854..17180, 16875..17144, 16890..17183, 17148..17261, 17148..17282, 17295..17636, 17298..17633, 17298..17615, 17301..17636, 17307..17636, 17325..17651, 17367..17636, 17393..17584, 17436..17636, 17601..17639, 17643..17927, 17678..17932, 17760..17837, 17760..17927, 17802..17933		

Seq. No.	16186	Seq. ID	OJ990427_08.9B19.C10
Gene No.	34166	Strand	-
Start	23416	End	23960
Name	OJ990427_08.9B19.C10.o1.ts	Method	TBLASTX:Soybean
Start	16674	End	17930
GI	none	Score	43
Exons	16674..16712, 16722..16871, 16743..16874, 16854..17081, 16875..17153, 16878..17150, 16881..17174, 16881..17144, 16881..16970, 16953..17153, 16955..17143, 16977..17144, 17163..17282, 17163..17318, 17283..17636, 17286..17636, 17298..17636, 17301..17927, 17301..17636, 17331..17636, 17336..17638, 17397..17639, 17760..17930, 17760..17927, 17760..17930, 17760..17930, 17760..17930		

Seq. No.	16186	Seq. ID	OJ990427_08.9B19.C10
Gene No.	34166	Strand	-
Start	23416	End	23960
Name	OJ990427_08.9B19.C10.o1.tc	Method	TBLASTX:Cress
Start	16677	End	17980
GI	none	Score	107
Exons	16677..16862, 16719..16859, 16743..16874, 16743..16862,		

16743..16874, 16854..17144, 16875..17159, 16878..17162,
16878..17159, 16950..17000, 17025..17153, 17145..17291,
17148..17297, 17160..17288, 17160..17279, 17166..17219,
17286..17636, 17295..17636, 17295..17633, 17295..17639,
17298..17636, 17298..17567, 17298..17633, 17301..17636,
17301..17636, 17316..17636, 17325..17429, 17367..17636,
17370..17648, 17375..17647, 17480..17563, 17505..17648,
17673..17927, 17681..17980, 17757..17930, 17757..17918,
17757..17927, 17760..17927, 17760..17927, 17760..17942,
17766..17927, 17799..17933

Seq. No.	16186	Seq. ID	OJ990427_08.9B19.C10
Gene No.	34166	Strand	-
Start	23416	End	23960
Name	OJ990427_08.9B19.C10.o3.gp	Method	AAT/GAP
Start	23416	End	23853
GI	7406_1.R1084	Score	584
Exons	23416..23490, 23525..23853		
GI Descrip.	'1122315/emb\|CAA63901\| 7.0e-10 (X94191) heat shock protein 17.0 [Pennisetum glaucum]'		

Seq. No.	16186	Seq. ID	OJ990427_08.9B19.C10
Gene No.	34166	Strand	-
Start	23416	End	23960
Name	OJ990427_08.9B19.C10.o5.np	Method	AAT/NAP
Start	23732	End	23960
GI	6721543	Score	122
Exons	23732..23960		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	16187	Seq. ID	OJ990427_08.9B19.C11
Gene No.	34167	Strand	+
Start	668	End	1538
Name	OJ990427_08.9B19.C11.o1.gs	Method	GENSCAN
Start	668	End	1526
GI	none	Score	.5
Exons	668..1526		

Seq. No.	16187	Seq. ID	OJ990427_08.9B19.C11
Gene No.	34167	Strand	+
Start	668	End	1538
Name	OJ990427_08.9B19.C11.o1.np	Method	AAT/NAP
Start	683	End	1538
GI	6714444	Score	197
Exons	683..946, 1086..1538		
GI Descrip.	(AC011620) putative disease resistance protein [Arabidopsis thaliana]		

Seq. No.	16188	Seq. ID	OJ990427_08.9B19.C12
Gene No.	34168	Strand	+
Start	1	End	1000
Name	OJ990427_08.9B19.C12.o1.np	Method	AAT/NAP
Start	1	End	1000
GI	5777617	Score	74
Exons	1..79, 903..1000		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	16188	Seq. ID	OJ990427_08.9B19.C12
Gene No.	34169	Strand	-
Start	523	End	1379
Name	OJ990427_08.9B19.C12.o1.gs	Method	GENSCAN
Start	523	End	1379
GI	none	Score	.59
Exons	523..686, 1155..1379		

Seq. No.	16189	Seq. ID	OJ990427_08.9B19.C13
Gene No.	34170	Strand	-
Start	91	End	692
Name	OJ990427_08.9B19.C13.o1.gs	Method	GENSCAN
Start	91	End	631
GI	none	Score	.58
Exons	91..278, 429..631		

Seq. No.	16189	Seq. ID	OJ990427_08.9B19.C13
Gene No.	34170	Strand	-
Start	91	End	692
Name	OJ990427_08.9B19.C13.o1.np	Method	AAT/NAP
Start	397	End	692
GI	5441880	Score	399
Exons	397..692		
GI Descrip.	(AP000367) EST C28952(C62945) corresponds to a region of the predicted gene.; Similar to maize transposon MuDR mudrA protein. (AC003981) [Oryza sativa]		

Seq. No.	16190	Seq. ID	OJ990427_08.9B19.C16
Gene No.	34171	Strand	-
Start	795	End	889
Name	OJ990427_08.9B19.C16.o1.gs	Method	GENSCAN
Start	795	End	889
GI	none	Score	.95
Exons	795..889		

Seq. No.	16191	Seq. ID	OJ990427_08.9B19.C17
Gene No.	34172	Strand	+
Start	1	End	1432
Name	OJ990427_08.9B19.C17.o1.np	Method	AAT/NAP
Start	1	End	1432
GI	3894385	Score	187
Exons	1..301, 1375..1432		
GI Descrip.	(AF053994) Hcr2-0A [Lycopersicon esculentum]		

Seq. No.	16191	Seq. ID	OJ990427_08.9B19.C17
Gene No.	34173	Strand	-
Start	22	End	719
Name	OJ990427_08.9B19.C17.o1.gs	Method	GENSCAN
Start	22	End	719
GI	none	Score	.65
Exons	22..90, 715..719		

Seq. No.	16192	Seq. ID	OJ990427_08.9B19.C18
Gene No.	34174	Strand	+
Start	91	End	1481
Name	OJ990427_08.9B19.C18.o1.gs	Method	GENSCAN
Start	91	End	1481

GI	none	Score	.45
Exons	91..341, 1116..1406, 1472..1481		

Seq. No.	16192	Seq. ID	OJ990427_08.9B19.C18
Gene No.	34175	Strand	-
Start	1624	End	1727
Name	OJ990427_08.9B19.C18.o1.np	Method	AAT/NAP
Start	1624	End	1727
GI	5777617	Score	81
Exons	1624..1727		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	16193	Seq. ID	OJ990427_08.9B19.C19
Gene No.	34176	Strand	+
Start	1	End	387
Name	OJ990427_08.9B19.C19.o1.gp	Method	AAT/GAP
Start	1	End	387
GI	uC-osflcyp066e08a1	Score	679
Exons	1..387		
GI Descrip.	'4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	16193	Seq. ID	OJ990427_08.9B19.C19
Gene No.	34177	Strand	-
Start	495	End	2109
Name	OJ990427_08.9B19.C19.o1.gs	Method	GENSCAN
Start	495	End	2016
GI	none	Score	.58
Exons	495..935, 1151..1243, 1643..1705, 1889..2016		

Seq. No.	16193	Seq. ID	OJ990427_08.9B19.C19
Gene No.	34177	Strand	-
Start	495	End	2109
Name	OJ990427_08.9B19.C19.o2.tm	Method	TBLASTX:Maize
Start	531	End	1196
GI	none	Score	118
Exons	531..680, 532..681, 751..870, 753..872, 753..920, 754..927, 1149..1196, 1151..1195		

Seq. No.	16193	Seq. ID	OJ990427_08.9B19.C19
Gene No.	34177	Strand	-
Start	495	End	2109
Name	OJ990427_08.9B19.C19.o1.np	Method	AAT/NAP
Start	670	End	2109
GI	4803931	Score	386
Exons	670..869, 1151..1243, 1643..1780, 1889..2109		
GI Descrip.	(AC006264) unknown protein [Arabidopsis thaliana]		

Seq. No.	16193	Seq. ID	OJ990427_08.9B19.C19
Gene No.	34177	Strand	-
Start	495	End	2109
Name	OJ990427_08.9B19.C19.o1.tc	Method	TBLASTX:Cress
Start	1149	End	2020
GI	none	Score	86
Exons	1149..1244, 1154..1246, 1154..1246, 1635..1769, 1641..1775, 1643..1816, 1643..1780, 1886..2020, 1887..1946		

Seq. No.	16193	Seq. ID	OJ990427_08.9B19.C19
Gene No.	34177	Strand	-
Start	495	End	2109
Name	OJ990427_08.9B19.C19.o1.ts	Method	TBLASTX:Soybean
Start	1149	End	1954
GI	none	Score	79
Exons	1149..1244, 1151..1246, 1643..1780, 1700..1780, 1886..1954		

Seq. No.	16193	Seq. ID	OJ990427_08.9B19.C19
Gene No.	34177	Strand	-
Start	495	End	2109
Name	OJ990427_08.9B19.C19.o1.tm	Method	TBLASTX:Maize
Start	1197	End	2020
GI	none	Score	68
Exons	1197..1244, 1199..1246, 1199..1246, 1201..1260, 1635..1766, 1639..1782, 1639..1674, 1643..1780, 1699..1791, 1890..2015, 1891..2019, 1892..2020		

Seq. No.	16194	Seq. ID	OJ990427_08.9B19.C20
Gene No.	34178	Strand	+
Start	971	End	1380
Name	OJ990427_08.9B19.C20.o1.gp	Method	AAT/GAP
Start	971	End	1380
GI	uC-osflcyp066e08a1	Score	724
Exons	971..1380		
GI Descrip.	'4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		

Seq. No.	16194	Seq. ID	OJ990427_08.9B19.C20
Gene No.	34179	Strand	-
Start	1	End	5833
Name	OJ990427_08.9B19.C20.o2.np	Method	AAT/NAP
Start	1	End	5830
GI	5916446	Score	720
Exons	1..109, 1705..1862, 2636..2847, 3099..3252, 3363..3466, 4203..4259, 5668..5830		
GI Descrip.	(AC007633) similarity to several hypothetical proteins-Arabidopsis thaliana		

Seq. No.	16194	Seq. ID	OJ990427_08.9B19.C20
Gene No.	34179	Strand	-
Start	1	End	5833
Name	OJ990427_08.9B19.C20.o1.gs	Method	GENSCAN
Start	84	End	5833
GI	none	Score	.72
Exons	84..300, 359..434, 1518..1678, 1757..1928, 2144..2236, 2636..2698, 2882..3009, 3120..3280, 3376..3466, 5668..5833		

Seq. No.	16194	Seq. ID	OJ990427_08.9B19.C20
Gene No.	34179	Strand	-
Start	1	End	5833
Name	OJ990427_08.9B19.C20.o1.np	Method	AAT/NAP
Start	447	End	1755
GI	5777617	Score	75
Exons	447..547, 1725..1755		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	16194	Seq. ID	OJ990427_08.9B19.C20
Gene No.	34179	Strand	-
Start	1	End	5833
Name	OJ990427_08.9B19.C20.o2.tm	Method	TBLASTX:Maize
Start	1524	End	1920
GI	none	Score	118
Exons	1524..1673, 1525..1674, 1742..1861, 1744..1869, 1746..1862, 1746..1913, 1747..1920		

Seq. No.	16194	Seq. ID	OJ990427_08.9B19.C20
Gene No.	34179	Strand	-
Start	1	End	5833
Name	OJ990427_08.9B19.C20.o1.tm	Method	TBLASTX:Maize
Start	2118	End	5788
GI	none	Score	80
Exons	2118..2237, 2144..2239, 2145..2237, 2628..2762, 2636..2770, 2636..2773, 2879..3013, 2880..3059, 3109..3288, 3120..3278, 3121..3279, 3122..3283, 3134..3289, 3378..3470, 3378..3470, 4199..4261, 4204..4260, 5664..5720, 5666..5722, 5726..5788		

Seq. No.	16194	Seq. ID	OJ990427_08.9B19.C20
Gene No.	34179	Strand	-
Start	1	End	5833
Name	OJ990427_08.9B19.C20.o1.tc	Method	TBLASTX:Cress
Start	2142	End	3156
GI	none	Score	86
Exons	2142..2237, 2147..2239, 2147..2239, 2628..2762, 2634..2768, 2636..2809, 2636..2773, 2879..3013, 2880..2939, 3121..3156		

Seq. No.	16194	Seq. ID	OJ990427_08.9B19.C20
Gene No.	34179	Strand	-
Start	1	End	5833
Name	OJ990427_08.9B19.C20.o1.ts	Method	TBLASTX:Soybean
Start	2714	End	3283
GI	none	Score	55
Exons	2714..2773, 2879..2941, 2900..3013, 3116..3262, 3118..3252, 3118..3282, 3119..3283		

Seq. No.	16194	Seq. ID	OJ990427_08.9B19.C20
Gene No.	34179	Strand	-
Start	1	End	5833
Name	OJ990427_08.9B19.C20.o1.tw	Method	TBLASTX:Wheat
Start	2720	End	3467
GI	none	Score	60
Exons	2720..2773, 2879..3013, 2880..3050, 3118..3282, 3119..3274, 3378..3467, 3378..3467		

Seq. No.	16195	Seq. ID	OJ990427_08.9B19.C21
Gene No.	34180	Strand	-
Start	1	End	1244
Name	OJ990427_08.9B19.C21.o1.np	Method	AAT/NAP
Start	1	End	1244
GI	5916446	Score	215
Exons	1..61, 172..275, 1012..1244		
GI Descrip.	(AC007633) similarity to several hypothetical proteins-Arabidopsis thaliana		

Seq. No.	16195	Seq. ID	OJ990427_08.9B19.C21
Gene No.	34180	Strand	-
Start	1	End	1244
Name	OJ990427_08.9B19.C21.o1.tm	Method	TBLASTX:Maize
Start	3	End	1070
GI	none	Score	91
Exons	3..32, 35..97, 36..92, 185..274, 187..276, 187..279, 1008..1070, 1013..1069		

Seq. No.	16196	Seq. ID	OJ990427_08.9B19.C24
Gene No.	34181	Strand	+
Start	1	End	728
Name	OJ990427_08.9B19.C24.o1.np	Method	AAT/NAP
Start	1	End	728
GI	1491621	Score	138
Exons	1..163, 442..728		
GI Descrip.	(Z78205) UL36 [Bovine herpesvirus 1] gi\|2653311\|emb\|CAA06097\| (AJ004801) very large virion protein (tegument) [Bovine herpesvirus type 1.1]		

Seq. No.	16197	Seq. ID	OJ990427_08.9B19.C26
Gene No.	34182	Strand	
Start	106	End	504
Name	OJ990427_08.9B19.C26.o1.tw	Method	TBLASTX:Wheat
Start	106	End	469
GI	none	Score	62
Exons	106..468, 109..321, 119..469		

Seq. No.	16197	Seq. ID	OJ990427_08.9B19.C26
Gene No.	34182	Strand	
Start	106	End	504
Name	OJ990427_08.9B19.C26.o1.tm	Method	TBLASTX:Maize
Start	206	End	504
GI	none	Score	146
Exons	206..502, 223..504, 223..504		

Seq. No.	16198	Seq. ID	OJ990427_08.9B19.C27
Gene No.	34183	Strand	-
Start	1	End	656
Name	OJ990427_08.9B19.C27.o1.np	Method	AAT/NAP
Start	1	End	656
GI	5916446	Score	85
Exons	1..51, 413..656		
GI Descrip.	(AC007633) similarity to several hypothetical proteins-Arabidopsis thaliana		

Seq. No.	16198	Seq. ID	OJ990427_08.9B19.C27
Gene No.	34183	Strand	-
Start	1	End	656
Name	OJ990427_08.9B19.C27.o1.tm	Method	TBLASTX:Maize
Start	194	End	589
GI	none	Score	118
Exons	194..343, 195..344, 416..466, 440..589, 457..582		

Seq. No.	16199	Seq. ID	OJ990427_08.9B19.C28
Gene No.	34184	Strand	+
Start	1	End	1621

Name	OJ990427_08.9B19.C28.o1.np	Method	AAT/NAP
Start	1	End	1621
GI	6635236	Score	451
Exons	1..60, 222..580, 647..1621		
GI Descrip.	(AB029327) elicitor-inducible receptor-like protein EIR [Nicotiana tabacum]		

Seq. No.	16199	Seq. ID	OJ990427_08.9B19.C28
Gene No.	34184	Strand	+
Start	1	End	1621
Name	OJ990427_08.9B19.C28.o1.gs	Method	GENSCAN
Start	141	End	1486
GI	none	Score	.65
Exons	141..591, 1154..1321, 1379..1486		

Seq. No.	16199	Seq. ID	OJ990427_08.9B19.C28
Gene No.	34184	Strand	+
Start	1	End	1621
Name	OJ990427_08.9B19.C28.o1.ts	Method	TBLASTX:Soybean
Start	153	End	1404
GI	none	Score	37
Exons	153..197, 201..281, 222..419, 231..488, 441..575, 512..661, 513..812, 851..970, 1003..1113, 1258..1404		

Seq. No.	16199	Seq. ID	OJ990427_08.9B19.C28
Gene No.	34184	Strand	+
Start	1	End	1621
Name	OJ990427_08.9B19.C28.o1.tc	Method	TBLASTX:Cress
Start	156	End	1457
GI	none	Score	107
Exons	156..341, 198..338, 222..353, 222..341, 222..353, 333..623, 354..638, 357..641, 357..638, 429..479, 504..632, 624..770, 627..776, 639..767, 639..758, 645..698, 806..988, 812..988, 815..967, 815..907, 815..988, 815..985, 815..988, 815..988, 815..970, 845..988, 988..1113, 991..1125, 994..1113, 1009..1116, 1150..1404, 1158..1457, 1234..1395, 1234..1404, 1234..1407, 1237..1404, 1237..1404, 1237..1419, 1243..1404, 1276..1410, 1320..1415		

Seq. No.	16199	Seq. ID	OJ990427_08.9B19.C28
Gene No.	34184	Strand	+
Start	1	End	1621
Name	OJ990427_08.9B19.C28.o1.tm	Method	TBLASTX:Maize
Start	174	End	1401
GI	none	Score	97
Exons	174..407, 424..669, 428..664, 429..692, 429..689, 630..815, 815..967, 988..1113, 1237..1401		

Seq. No.	16200	Seq. ID	OJ990427_08.9B19.C31
Gene No.	34185	Strand	-
Start	1	End	1151
Name	OJ990427_08.9B19.C31.o1.np	Method	AAT/NAP
Start	1	End	1151
GI	1184077	Score	459
Exons	1..33, 254..1151		
GI Descrip.	(U42445) Cf-2.2 [Lycopersicon pimpinellifolium]		

Seq. No.	16200	Seq. ID	OJ990427_08.9B19.C31
Gene No.	34185	Strand	-
Start	1	End	1151
Name	OJ990427_08.9B19.C31.o1.ts	Method	TBLASTX:Soybean
Start	191	End	1128
GI	none	Score	77
Exons	191..424, 253..447, 256..441, 256..453, 323..424, 427..942, 436..870, 458..727, 460..948, 460..735, 463..942, 463..594, 463..933, 464..703, 466..786, 604..945, 751..822, 820..948, 946..1095, 946..1086, 961..1080, 1060..1128		

Seq. No.	16200	Seq. ID	OJ990427_08.9B19.C31
Gene No.	34185	Strand	-
Start	1	End	1151
Name	OJ990427_08.9B19.C31.o1.tc	Method	TBLASTX:Cress
Start	250	End	1098
GI	none	Score	64
Exons	250..339, 253..447, 256..441, 256..432, 257..412, 265..438, 430..942, 436..933, 436..876, 436..657, 445..717, 457..801, 460..948, 463..957, 463..948, 463..666, 463..933, 464..580, 487..945, 533..703, 544..945, 556..945, 608..973, 689..835, 946..1095, 952..1083, 955..1086, 961..1098, 961..1095, 964..1083, 1024..1077		

Seq. No.	16200	Seq. ID	OJ990427_08.9B19.C31
Gene No.	34185	Strand	-
Start	1	End	1151
Name	OJ990427_08.9B19.C31.o1.tm	Method	TBLASTX:Maize
Start	250	End	1095
GI	none	Score	59
Exons	250..339, 256..450, 314..439, 329..412, 436..876, 445..918, 449..568, 463..933, 463..666, 463..807, 464..691, 466..948, 484..945, 485..571, 530..835, 697..945, 961..1095		

Seq. No.	16200	Seq. ID	OJ990427_08.9B19.C31
Gene No.	34185	Strand	-
Start	1	End	1151
Name	OJ990427_08.9B19.C31.o1.tw	Method	TBLASTX:Wheat
Start	436	End	1128
GI	none	Score	52
Exons	436..645, 445..717, 628..933, 946..1095, 946..1083, 971..1054, 1084..1128		

Seq. No.	16201	Seq. ID	OJ990427_08.9B19.C32
Gene No.	34186	Strand	-
Start	354	End	448
Name	OJ990427_08.9B19.C32.o1.gs	Method	GENSCAN
Start	354	End	448
GI	none	Score	.87
Exons	354..448		

Seq. No.	16202	Seq. ID	OJ990427_08.9B19.C36
Gene No.	34187	Strand	+
Start	363	End	584
Name	OJ990427_08.9B19.C36.o1.gs	Method	GENSCAN
Start	363	End	584
GI	none	Score	.75

Exons	363..584		
Seq. No.	16203	Seq. ID	OJ990427_08.9B19.C37
Gene No.	34188	Strand	-
Start	169	End	525
Name	OJ990427_08.9B19.C37.o1.gs	Method	GENSCAN
Start	169	End	525
GI	none	Score	.62
Exons	169..525		
Seq. No.	16204	Seq. ID	OJ990427_08.9B19.C41
Gene No.	34189	Strand	-
Start	201	End	642
Name	OJ990427_08.9B19.C41.o1.gs	Method	GENSCAN
Start	201	End	642
GI	none	Score	.63
Exons	201..302, 517..642		
Seq. No.	16205	Seq. ID	OJ990427_08.9B19.C42
Gene No.	34190	Strand	-
Start	60	End	757
Name	OJ990427_08.9B19.C42.o1.gs	Method	GENSCAN
Start	60	End	757
GI	none	Score	.65
Exons	60..225, 741..757		
Seq. No.	16206	Seq. ID	OJ990427_08.9B19.C43
Gene No.	34191	Strand	-
Start	176	End	675
Name	OJ990427_08.9B19.C43.o1.np	Method	AAT/NAP
Start	176	End	675
GI	6069646	Score	91
Exons	176..334, 646..675		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		
Seq. No.	16207	Seq. ID	OJ990427_08.9B19.C45
Gene No.	34192	Strand	
Start	1	End	279
Name	OJ990427_08.9B19.C45.o1.tm	Method	TBLASTX:Maize
Start	1	End	279
GI	none	Score	73
Exons	1..57, 3..56, 129..278, 130..279		
Seq. No.	16208	Seq. ID	OJ990427_08.9B19.C46
Gene No.	34193	Strand	-
Start	1	End	599
Name	OJ990427_08.9B19.C46.o1.np	Method	AAT/NAP
Start	1	End	599
GI	2995321	Score	448
Exons	1..599		
GI Descrip.	(Z68759) amino acid carrier [Ricinus communis]		
Seq. No.	16208	Seq. ID	OJ990427_08.9B19.C46

Gene No.	34193	Strand	-
Start	1	End	599
Name	OJ990427_08.9B19.C46.o1.gs	Method	GENSCAN
Start	44	End	484
GI	none	Score	.66
Exons	44..484		

Seq. No.	16208	Seq. ID	OJ990427_08.9B19.C46
Gene No.	34193	Strand	-
Start	1	End	599
Name	OJ990427_08.9B19.C46.o1.ts	Method	TBLASTX:Soybean
Start	87	End	473
GI	none	Score	67
Exons	87..203, 89..202, 206..463, 207..473		

Seq. No.	16208	Seq. ID	OJ990427_08.9B19.C46
Gene No.	34193	Strand	-
Start	1	End	599
Name	OJ990427_08.9B19.C46.o1.tc	Method	TBLASTX:Cress
Start	89	End	473
GI	none	Score	69
Exons	89..202, 90..203, 206..463, 207..473, 330..467		

Seq. No.	16208	Seq. ID	OJ990427_08.9B19.C46
Gene No.	34193	Strand	-
Start	1	End	599
Name	OJ990427_08.9B19.C46.o1.tm	Method	TBLASTX:Maize
Start	167	End	458
GI	none	Score	355
Exons	167..457, 180..458		

Seq. No.	16209	Seq. ID	OJ990727_08.9B05.C1
Gene No.	34194	Strand	+
Start	2429	End	8595
Name	OJ990727_08.9B05.C1.o2.gs	Method	GENSCAN
Start	2429	End	8595
GI	none	Score	.63
Exons	2429..2554, 2880..3452, 3609..3644, 4030..8595		

Seq. No.	16209	Seq. ID	OJ990727_08.9B05.C1
Gene No.	34194	Strand	+
Start	2429	End	8595
Name	OJ990727_08.9B05.C1.o2.np	Method	AAT/NAP
Start	2946	End	3775
GI	5042448	Score	1123
Exons	2946..3775		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	16209	Seq. ID	OJ990727_08.9B05.C1
Gene No.	34194	Strand	+
Start	2429	End	8595
Name	OJ990727_08.9B05.C1.o3.np	Method	AAT/NAP
Start	4030	End	8592
GI	4680179	Score	7893
Exons	4030..8592		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	16209	Seq. ID	OJ990727_08.9B05.C1
Gene No.	34195	Strand	-
Start	135	End	530
Name	OJ990727_08.9B05.C1.o1.gs	Method	GENSCAN
Start	135	End	530
GI	none	Score	1
Exons	135..530		

Seq. No.	16209	Seq. ID	OJ990727_08.9B05.C1
Gene No.	34196	Strand	-
Start	1415	End	2180
Name	OJ990727_08.9B05.C1.o1.np	Method	AAT/NAP
Start	1415	End	2180
GI	4680183	Score	187
Exons	1415..1504, 2110..2180		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	16209	Seq. ID	OJ990727_08.9B05.C1
Gene No.	34197	Strand	-
Start	8790	End	9165
Name	OJ990727_08.9B05.C1.o7.tw	Method	TBLASTX:Wheat
Start	4297	End	4656
GI	none	Score	308
Exons	4297..4656, 4323..4655		

Seq. No.	16209	Seq. ID	OJ990727_08.9B05.C1
Gene No.	34197	Strand	-
Start	8790	End	9165
Name	OJ990727_08.9B05.C1.o6.tm	Method	TBLASTX:Maize
Start	4537	End	4833
GI	none	Score	210
Exons	4537..4833, 4537..4821, 4554..4724		

Seq. No.	16209	Seq. ID	OJ990727_08.9B05.C1
Gene No.	34197	Strand	-
Start	8790	End	9165
Name	OJ990727_08.9B05.C1.o8.tm	Method	TBLASTX:Maize
Start	5173	End	5493
GI	none	Score	184
Exons	5173..5493, 5226..5318		

Seq. No.	16209	Seq. ID	OJ990727_08.9B05.C1
Gene No.	34197	Strand	-
Start	8790	End	9165
Name	OJ990727_08.9B05.C1.o8.tw	Method	TBLASTX:Wheat
Start	5176	End	5598
GI	none	Score	152
Exons	5176..5385, 5226..5324, 5385..5525, 5407..5598, 5436..5591		

Seq. No.	16209	Seq. ID	OJ990727_08.9B05.C1
Gene No.	34197	Strand	-
Start	8790	End	9165
Name	OJ990727_08.9B05.C1.o4.tw	Method	TBLASTX:Wheat
Start	5755	End	6237
GI	none	Score	550
Exons	5755..6237, 5859..6194, 5884..6228		

Seq. No.	16209	Seq. ID	OJ990727_08.9B05.C1
Gene No.	34197	Strand	-
Start	8790	End	9165
Name	OJ990727_08.9B05.C1.o5.tm	Method	TBLASTX:Maize
Start	5767	End	6056
GI	none	Score	322
Exons	5767..6054, 5865..6056		

Seq. No.	16209	Seq. ID	OJ990727_08.9B05.C1
Gene No.	34197	Strand	-
Start	8790	End	9165
Name	OJ990727_08.9B05.C1.o4.ts	Method	TBLASTX:Soybean
Start	5791	End	6105
GI	none	Score	183
Exons	5791..6105, 5907..6104		

Seq. No.	16209	Seq. ID	OJ990727_08.9B05.C1
Gene No.	34197	Strand	-
Start	8790	End	9165
Name	OJ990727_08.9B05.C1.o3.tm	Method	TBLASTX:Maize
Start	6124	End	6624
GI	none	Score	161
Exons	6124..6303, 6289..6624, 6375..6509		

Seq. No.	16209	Seq. ID	OJ990727_08.9B05.C1
Gene No.	34197	Strand	-
Start	8790	End	9165
Name	OJ990727_08.9B05.C1.o1.ts	Method	TBLASTX:Soybean
Start	6178	End	6573
GI	none	Score	57
Exons	6178..6210, 6178..6222, 6214..6573, 6214..6294, 6309..6572		

Seq. No.	16209	Seq. ID	OJ990727_08.9B05.C1
Gene No.	34197	Strand	-
Start	8790	End	9165
Name	OJ990727_08.9B05.C1.o5.tw	Method	TBLASTX:Wheat
Start	6286	End	6587
GI	none	Score	398
Exons	6286..6582, 6306..6587		

Seq. No.	16209	Seq. ID	OJ990727_08.9B05.C1
Gene No.	34197	Strand	-
Start	8790	End	9165
Name	OJ990727_08.9B05.C1.o2.tw	Method	TBLASTX:Wheat
Start	6588	End	7098
GI	none	Score	78
Exons	6588..6773, 6589..7098, 6621..6932, 6667..7014		

Seq. No.	16209	Seq. ID	OJ990727_08.9B05.C1
Gene No.	34197	Strand	-
Start	8790	End	9165
Name	OJ990727_08.9B05.C1.o3.ts	Method	TBLASTX:Soybean
Start	6595	End	6840
GI	none	Score	204
Exons	6595..6840		

Seq. No.	16209	Seq. ID	OJ990727_08.9B05.C1
Gene No.	34197	Strand	-
Start	8790	End	9165
Name	OJ990727_08.9B05.C1.o2.tm	Method	TBLASTX:Maize
Start	6661	End	7026
GI	none	Score	488
Exons	6661..7014, 6663..6929, 6715..7026		

Seq. No.	16209	Seq. ID	OJ990727_08.9B05.C1
Gene No.	34197	Strand	-
Start	8790	End	9165
Name	OJ990727_08.9B05.C1.o3.tw	Method	TBLASTX:Wheat
Start	7102	End	7581
GI	none	Score	591
Exons	7102..7581, 7135..7548, 7173..7580		

Seq. No.	16209	Seq. ID	OJ990727_08.9B05.C1
Gene No.	34197	Strand	-
Start	8790	End	9165
Name	OJ990727_08.9B05.C1.o1.tc	Method	TBLASTX:Cress
Start	7288	End	7605
GI	none	Score	89
Exons	7288..7461, 7462..7605, 7464..7604		

Seq. No.	16209	Seq. ID	OJ990727_08.9B05.C1
Gene No.	34197	Strand	-
Start	8790	End	9165
Name	OJ990727_08.9B05.C1.o2.ts	Method	TBLASTX:Soybean
Start	7369	End	7629
GI	none	Score	300
Exons	7369..7629, 7372..7533, 7374..7628		

Seq. No.	16209	Seq. ID	OJ990727_08.9B05.C1
Gene No.	34197	Strand	-
Start	8790	End	9165
Name	OJ990727_08.9B05.C1.o4.tm	Method	TBLASTX:Maize
Start	7429	End	7719
GI	none	Score	384
Exons	7429..7719, 7443..7715		

Seq. No.	16209	Seq. ID	OJ990727_08.9B05.C1
Gene No.	34197	Strand	-
Start	8790	End	9165
Name	OJ990727_08.9B05.C1.o1.tw	Method	TBLASTX:Wheat
Start	7588	End	8214
GI	none	Score	728
Exons	7588..8214, 7590..8213		

Seq. No.	16209	Seq. ID	OJ990727_08.9B05.C1
Gene No.	34197	Strand	-
Start	8790	End	9165
Name	OJ990727_08.9B05.C1.o1.tm	Method	TBLASTX:Maize
Start	7768	End	8367
GI	none	Score	226
Exons	7768..7929, 7776..7922, 7927..8367, 7929..8354		

Seq. No.	16209	Seq. ID	OJ990727_08.9B05.C1

Gene No.	34197	Strand	-
Start	8790	End	9165
Name	OJ990727_08.9B05.C1.o6.tw	Method	TBLASTX:Wheat
Start	8215	End	8582
GI	none	Score	374
Exons	8215..8547, 8242..8322, 8307..8423, 8529..8582		

Seq. No.	16209	Seq. ID	OJ990727_08.9B05.C1
Gene No.	34197	Strand	-
Start	8790	End	9165
Name	OJ990727_08.9B05.C1.o7.tm	Method	TBLASTX:Maize
Start	8371	End	8568
GI	none	Score	197
Exons	8371..8568		

Seq. No.	16209	Seq. ID	OJ990727_08.9B05.C1
Gene No.	34197	Strand	-
Start	8790	End	9165
Name	OJ990727_08.9B05.C1.o3.gs	Method	GENSCAN
Start	8790	End	9165
GI	none	Score	.5
Exons	8790..8797, 9066..9165		

Seq. No.	16210	Seq. ID	OJ990727_08.9B05.C2
Gene No.	34198	Strand	+
Start	957	End	4551
Name	OJ990727_08.9B05.C2.o1.gs	Method	GENSCAN
Start	957	End	4551
GI	none	Score	.58
Exons	957..1080, 3698..3783, 3998..4202, 4422..4551		

Seq. No.	16210	Seq. ID	OJ990727_08.9B05.C2
Gene No.	34199	Strand	-
Start	5662	End	9136
Name	OJ990727_08.9B05.C2.o1.np	Method	AAT/NAP
Start	5662	End	9136
GI	2252839	Score	277
Exons	5662..5704, 6821..6947, 7011..7383, 9109..9136		
GI Descrip.	(AF013293) Similar to receptor-like protein kinase precusor [Arabidopsis thaliana] gi\|6049881\|gb\|AAF02796.1\|AF195115_16 (AF195115) Similar to receptor-like protein kinase precusor; F5I10.19 [Arabidopsis thaliana]		

Seq. No.	16210	Seq. ID	OJ990727_08.9B05.C2
Gene No.	34199	Strand	-
Start	5662	End	9136
Name	OJ990727_08.9B05.C2.o2.gs	Method	GENSCAN
Start	6792	End	9016
GI	none	Score	.64
Exons	6792..7438, 7888..9016		

Seq. No.	16210	Seq. ID	OJ990727_08.9B05.C2
Gene No.	34199	Strand	-
Start	5662	End	9136
Name	OJ990727_08.9B05.C2.o1.tc	Method	TBLASTX:Cress
Start	6839	End	7378
GI	none	Score	117

Exons	6839..6919, 7067..7141, 7145..7378, 7158..7304		
Seq. No.	16210	Seq. ID	OJ990727_08.9B05.C2
Gene No.	34199	Strand	-
Start	5662	End	9136
Name	OJ990727_08.9B05.C2.o4.tm	Method	TBLASTX:Maize
Start	6839	End	7378
GI	none	Score	45
Exons	6839..6916, 7070..7141, 7092..7142, 7145..7378, 7146..7304, 7157..7369		
Seq. No.	16210	Seq. ID	OJ990727_08.9B05.C2
Gene No.	34199	Strand	-
Start	5662	End	9136
Name	OJ990727_08.9B05.C2.o3.ts	Method	TBLASTX:Soybean
Start	7070	End	7378
GI	none	Score	41
Exons	7070..7129, 7089..7130, 7157..7378, 7158..7304		
Seq. No.	16210	Seq. ID	OJ990727_08.9B05.C2
Gene No.	34199	Strand	-
Start	5662	End	9136
Name	OJ990727_08.9B05.C2.o2.tw	Method	TBLASTX:Wheat
Start	7139	End	7391
GI	none	Score	215
Exons	7139..7375, 7140..7319, 7157..7378, 7179..7391		
Seq. No.	16210	Seq. ID	OJ990727_08.9B05.C2
Gene No.	34199	Strand	-
Start	5662	End	9136
Name	OJ990727_08.9B05.C2.o2.np	Method	AAT/NAP
Start	7772	End	9136
GI	130582	Score	1354
Exons	7772..9136		
GI Descrip.	RETROVIRUS-RELATED POL POLYPROTEIN FROM TRANSPOSON TNT 1-94 [CONTAINS: PROTEASE ; REVERSE TRANSCRIPTASE ; ENDONUCLEASE] gi\|100342\|pir\|\|S04273 hypothetical protein - common tobacco gi\|20045\|emb\|CAA32025\| (X13777) ORF [Nicotiana tabacum]		
Seq. No.	16210	Seq. ID	OJ990727_08.9B05.C2
Gene No.	34199	Strand	-
Start	5662	End	9136
Name	OJ990727_08.9B05.C2.o1.tm	Method	TBLASTX:Maize
Start	7778	End	8200
GI	none	Score	275
Exons	7778..8200, 7782..8183		
Seq. No.	16210	Seq. ID	OJ990727_08.9B05.C2
Gene No.	34199	Strand	-
Start	5662	End	9136
Name	OJ990727_08.9B05.C2.o2.tc	Method	TBLASTX:Cress
Start	7778	End	8380
GI	none	Score	64
Exons	7778..7990, 8006..8143, 8153..8257, 8252..8380		
Seq. No.	16210	Seq. ID	OJ990727_08.9B05.C2
Gene No.	34199	Strand	-

Start	5662	End	9136
Name	OJ990727_08.9B05.C2.o2.ts	Method	TBLASTX:Soybean
Start	7781	End	8179
GI	none	Score	54
Exons	7781..7894, 7788..7886, 7904..8179, 7907..8170, 7917..8177		

Seq. No.	16210	Seq. ID	OJ990727_08.9B05.C2
Gene No.	34199	Strand	-
Start	5662	End	9136
Name	OJ990727_08.9B05.C2.o3.tw	Method	TBLASTX:Wheat
Start	7805	End	8258
GI	none	Score	53
Exons	7805..8005, 7806..7994, 8021..8173, 8024..8224, 8037..8258		

Seq. No.	16210	Seq. ID	OJ990727_08.9B05.C2
Gene No.	34199	Strand	-
Start	5662	End	9136
Name	OJ990727_08.9B05.C2.o2.tm	Method	TBLASTX:Maize
Start	8251	End	8701
GI	none	Score	74
Exons	8251..8502, 8256..8567, 8264..8581, 8274..8567, 8279..8581, 8543..8701, 8613..8693		

Seq. No.	16210	Seq. ID	OJ990727_08.9B05.C2
Gene No.	34199	Strand	-
Start	5662	End	9136
Name	OJ990727_08.9B05.C2.o1.tw	Method	TBLASTX:Wheat
Start	8354	End	9133
GI	none	Score	135
Exons	8354..8809, 8804..9133, 8820..9131		

Seq. No.	16210	Seq. ID	OJ990727_08.9B05.C2
Gene No.	34199	Strand	-
Start	5662	End	9136
Name	OJ990727_08.9B05.C2.o3.tm	Method	TBLASTX:Maize
Start	8708	End	9136
GI	none	Score	96
Exons	8708..9136, 8841..9131		

Seq. No.	16210	Seq. ID	OJ990727_08.9B05.C2
Gene No.	34199	Strand	-
Start	5662	End	9136
Name	OJ990727_08.9B05.C2.o1.ts	Method	TBLASTX:Soybean
Start	8723	End	9112
GI	none	Score	119
Exons	8723..9112, 8764..8988, 8765..9073, 8820..9095		

Seq. No.	16211	Seq. ID	OJ990727_08.9B05.C3
Gene No.	34200	Strand	+
Start	7220	End	18385
Name	OJ990727_08.9B05.C3.o2.gs	Method	GENSCAN
Start	7220	End	18385
GI	none	Score	.66
Exons	7220..7346, 7438..7574, 11149..11420, 12588..14523, 14610..14756, 15225..15769, 16149..16265, 17219..17285, 17630..18385		

Seq. No.	16211	Seq. ID	OJ990727_08.9B05.C3
Gene No.	34200	Strand	+
Start	7220	End	18385
Name	OJ990727_08.9B05.C3.o1.gp	Method	AAT/GAP
Start	9494	End	9633
GI	LIB3477-003-P1-K1-E9	Score	121
Exons	9494..9567, 9605..9633		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	16211	Seq. ID	OJ990727_08.9B05.C3
Gene No.	34200	Strand	+
Start	7220	End	18385
Name	OJ990727_08.9B05.C3.o3.np	Method	AAT/NAP
Start	10756	End	16299
GI	2829910	Score	2610
Exons	10756..10777, 10916..11028, 12585..14523, 14610..14756, 15225..15375, 15433..15769, 16149..16299		
GI Descrip.	(AC002291) Unknown protein, contains regulator of chromosome condensation motifs [Arabidopsis thaliana]		

Seq. No.	16211	Seq. ID	OJ990727_08.9B05.C3
Gene No.	34200	Strand	+
Start	7220	End	18385
Name	OJ990727_08.9B05.C3.o4.np	Method	AAT/NAP
Start	17497	End	18313
GI	3171731	Score	224
Exons	17497..18313		
GI Descrip.	(AJ006406) AgPET8 [Eremothecium gossypii]		

Seq. No.	16211	Seq. ID	OJ990727_08.9B05.C3
Gene No.	34200	Strand	+
Start	7220	End	18385
Name	OJ990727_08.9B05.C3.o2.gp	Method	AAT/GAP
Start	17599	End	18228
GI	17002_1.R1084	Score	1173
Exons	17599..18228		
GI Descrip.	'3150404 6.0e-16 (AC004165) putative mitochondrial carrier protein [Arabidopsis thaliana]'		

Seq. No.	16211	Seq. ID	OJ990727_08.9B05.C3
Gene No.	34201	Strand	+
Start	20126	End	20564
Name	OJ990727_08.9B05.C3.o3.gp	Method	AAT/GAP
Start	20126	End	20564
GI	none	Score	789
Exons	20126..20564		

Seq. No.	16211	Seq. ID	OJ990727_08.9B05.C3
Gene No.	34202	Strand	-
Start	1	End	3485
Name	OJ990727_08.9B05.C3.o1.np	Method	AAT/NAP
Start	1	End	1377
GI	4567266	Score	494
Exons	1..1377		
GI Descrip.	(AC006841) putative retroelement pol polyprotein [Arabidopsis		

thaliana]

Seq. No.	16211	Seq. ID	OJ990727_08.9B05.C3
Gene No.	34202	Strand	-
Start	1	End	3485
Name	OJ990727_08.9B05.C3.o1.gs	Method	GENSCAN
Start	12	End	3485
GI	none	Score	.41
Exons	12..977, 1206..1386, 1831..2345, 2405..3485		

Seq. No.	16211	Seq. ID	OJ990727_08.9B05.C3
Gene No.	34203	Strand	-
Start	16898	End	26501
Name	OJ990727_08.9B05.C3.o1.tw	Method	TBLASTX:Wheat
Start	660	End	1030
GI	none	Score	36
Exons	660..701, 727..798, 787..897, 799..855, 882..1013, 883..1029, 884..1030		

Seq. No.	16211	Seq. ID	OJ990727_08.9B05.C3
Gene No.	34203	Strand	-
Start	16898	End	26501
Name	OJ990727_08.9B05.C3.o6.tm	Method	TBLASTX:Maize
Start	12561	End	12753
GI	none	Score	165
Exons	12561..12749, 12589..12753, 12590..12748, 12597..12752		

Seq. No.	16211	Seq. ID	OJ990727_08.9B05.C3
Gene No.	34203	Strand	-
Start	16898	End	26501
Name	OJ990727_08.9B05.C3.o1.tc	Method	TBLASTX:Cress
Start	12808	End	13863
GI	none	Score	122
Exons	12808..13086, 12856..12948, 12901..13086, 13129..13269, 13177..13209, 13198..13365, 13320..13376, 13321..13377, 13360..13650, 13482..13670, 13630..13863, 13645..13767, 13653..13745, 13720..13863		

Seq. No.	16211	Seq. ID	OJ990727_08.9B05.C3
Gene No.	34203	Strand	-
Start	16898	End	26501
Name	OJ990727_08.9B05.C3.o1.tm	Method	TBLASTX:Maize
Start	12808	End	13869
GI	none	Score	704
Exons	12808..13377, 12946..13077, 13000..13149, 13005..13376, 13164..13370, 13408..13596, 13408..13533, 13597..13863, 13633..13743, 13657..13869		

Seq. No.	16211	Seq. ID	OJ990727_08.9B05.C3
Gene No.	34203	Strand	-
Start	16898	End	26501
Name	OJ990727_08.9B05.C3.o1.ts	Method	TBLASTX:Soybean
Start	12856	End	13863
GI	none	Score	155
Exons	12856..13044, 12964..13125, 13057..13383, 13057..13374, 13059..13403, 13408..13533, 13657..13863		

Seq. No.	16211	Seq. ID	OJ990727_08.9B05.C3
Gene No.	34203	Strand	-
Start	16898	End	26501
Name	OJ990727_08.9B05.C3.o3.ts	Method	TBLASTX:Soybean
Start	13864	End	14325
GI	none	Score	345
Exons	13864..14154, 13864..14079, 13872..14084, 14110..14325, 14131..14325		

Seq. No.	16211	Seq. ID	OJ990727_08.9B05.C3
Gene No.	34203	Strand	-
Start	16898	End	26501
Name	OJ990727_08.9B05.C3.o4.tm	Method	TBLASTX:Maize
Start	13870	End	14090
GI	none	Score	383
Exons	13870..14088, 13871..14074, 13872..14090		

Seq. No.	16211	Seq. ID	OJ990727_08.9B05.C3
Gene No.	34203	Strand	-
Start	16898	End	26501
Name	OJ990727_08.9B05.C3.o2.tm	Method	TBLASTX:Maize
Start	14218	End	15308
GI	none	Score	177
Exons	14218..14343, 14220..14339, 14340..14375, 14341..14373, 14365..14523, 14366..14524, 14367..14525, 14434..14526, 14436..14525, 14581..14754, 14609..14767, 14610..14771, 15222..15308, 15223..15306		

Seq. No.	16211	Seq. ID	OJ990727_08.9B05.C3
Gene No.	34203	Strand	-
Start	16898	End	26501
Name	OJ990727_08.9B05.C3.o3.tm	Method	TBLASTX:Maize
Start	15401	End	16467
GI	none	Score	109
Exons	15401..15571, 15403..15438, 15405..15767, 15477..15767, 15596..15769, 16143..16277, 16147..16227, 16148..16279, 16164..16280, 16379..16459, 16384..16467, 16389..16460		

Seq. No.	16211	Seq. ID	OJ990727_08.9B05.C3
Gene No.	34203	Strand	-
Start	16898	End	26501
Name	OJ990727_08.9B05.C3.o6.np	Method	AAT/NAP
Start	16898	End	21235
GI	2088657	Score	245
Exons	16898..16948, 20761..20987, 21083..21235		
GI Descrip.	(AF002109) unknown protein [Arabidopsis thaliana]		

Seq. No.	16211	Seq. ID	OJ990727_08.9B05.C3
Gene No.	34203	Strand	-
Start	16898	End	26501
Name	OJ990727_08.9B05.C3.o2.ts	Method	TBLASTX:Soybean
Start	17454	End	18319
GI	none	Score	37
Exons	17454..17495, 17560..17589, 17563..17595, 17621..17752, 17648..17758, 17683..17754, 17770..17874, 17771..17875, 17875..17901, 17876..18067, 17983..18018, 18077..18319		

Seq. No.	16211	Seq. ID	OJ990727_08.9B05.C3
Gene No.	34203	Strand	-
Start	16898	End	26501
Name	OJ990727_08.9B05.C3.o5.np	Method	AAT/NAP
Start	19430	End	21312
GI	6014934	Score	135
Exons	19430..19603, 19687..19790, 19961..20106, 21273..21312		
GI Descrip.	DCL PROTEIN, CHLOROPLAST PRECURSOR (DEFECTIVE CHLOROPLASTS AND LEAVES PROTEIN) gi\|1305531 (U55219) defective chloroplasts and leaves; required for chloroplast development and palisade cell differentiation in leaves [Lycopersicon esculentum] gi\|1323698 (U55278) DCL [Solanum lycopersicum]		

Seq. No.	16211	Seq. ID	OJ990727_08.9B05.C3
Gene No.	34203	Strand	-
Start	16898	End	26501
Name	OJ990727_08.9B05.C3.o3.gs	Method	GENSCAN
Start	19435	End	26479
GI	none	Score	.94
Exons	19435..19650, 19687..19795, 19972..20759, 20844..20987, 21083..21256, 21299..21612, 21710..21879, 22716..22885, 23026..24630, 24722..24874, 24990..25148, 25309..25454, 26128..26272, 26365..26479		

Seq. No.	16211	Seq. ID	OJ990727_08.9B05.C3
Gene No.	34203	Strand	-
Start	16898	End	26501
Name	OJ990727_08.9B05.C3.o5.tm	Method	TBLASTX:Maize
Start	23416	End	23781
GI	none	Score	100
Exons	23416..23613, 23623..23781, 23636..23779		

Seq. No.	16211	Seq. ID	OJ990727_08.9B05.C3
Gene No.	34203	Strand	-
Start	16898	End	26501
Name	OJ990727_08.9B05.C3.o7.np	Method	AAT/NAP
Start	24035	End	26501
GI	3257973	Score	184
Exons	24035..24541, 26474..26501		
GI Descrip.	(AP000006) 907aa long hypothetical DNA-directed RNA polymerase subunit A' [Pyrococcus horikoshii]		

Seq. No.	16212	Seq. ID	OJ990727_08.9B05.C4
Gene No.	34204	Strand	+
Start	92	End	1358
Name	OJ990727_08.9B05.C4.o1.gs	Method	GENSCAN
Start	92	End	1358
GI	none	Score	.84
Exons	92..331, 503..923, 1276..1358		

Seq. No.	16212	Seq. ID	OJ990727_08.9B05.C4
Gene No.	34204	Strand	+
Start	92	End	1358
Name	OJ990727_08.9B05.C4.o1.np	Method	AAT/NAP
Start	156	End	900
GI	6175155	Score	62
Exons	156..305, 781..900		

GI Descrip. (AC010796) putative protein kinase [Arabidopsis thaliana]

Seq. No.	16212	Seq. ID	OJ990727_08.9B05.C4
Gene No.	34205	Strand	-
Start	1088	End	1512
Name	OJ990727_08.9B05.C4.o2.np	Method	AAT/NAP
Start	1088	End	1512
GI	5777617	Score	68
Exons	1088..1200, 1481..1512		
GI Descrip.	(AJ245900) CAA30375.1 protein [Oryza sativa]		

Seq. No.	16213	Seq. ID	OJ990727_08.9B05.C5
Gene No.	34206	Strand	+
Start	1497	End	5643
Name	OJ990727_08.9B05.C5.o1.gp	Method	AAT/GAP
Start	1497	End	3256
GI	7034_1.R1084	Score	826
Exons	1497..1772, 2979..3123, 3212..3256		
GI Descrip.	'4959460/gb\|AF126053.1\|AF126053 6.0e-10 Zea mays RACB small GTP binding protein mRNA, complete cds'		

Seq. No.	16213	Seq. ID	OJ990727_08.9B05.C5
Gene No.	34206	Strand	+
Start	1497	End	5643
Name	OJ990727_08.9B05.C5.o2.gs	Method	GENSCAN
Start	2934	End	5403
GI	none	Score	.88
Exons	2934..2938, 2979..3123, 3457..3587, 4157..4383, 4997..5173, 5255..5403		

Seq. No.	16213	Seq. ID	OJ990727_08.9B05.C5
Gene No.	34206	Strand	+
Start	1497	End	5643
Name	OJ990727_08.9B05.C5.o1.np	Method	AAT/NAP
Start	2979	End	5349
GI	2497492	Score	585
Exons	2979..3123, 3212..3265, 3496..3587, 4157..4383, 4997..5173, 5255..5349		
GI Descrip.	URIDYLATE KINASE (UK) (URIDINE MONOPHOSPHATE KINASE) (UMP KINASE) gi\|1653646\|dbj\|BAA18558\| (D90915) uridine monophosphate kinase [Synechocystis sp.]		

Seq. No.	16213	Seq. ID	OJ990727_08.9B05.C5
Gene No.	34206	Strand	+
Start	1497	End	5643
Name	OJ990727_08.9B05.C5.o2.gp	Method	AAT/GAP
Start	3519	End	5643
GI	3832_1.R1084	Score	1559
Exons	3519..3587, 4157..4383, 4997..5173, 5255..5643		
GI Descrip.	'2497492/sp\|P74457\|PYRH_SYNY3 1.0e-50 URIDYLATE KINASE (UK) (URIDINE MONOPHOSPHATE KINASE) (UMP KINASE) >gi_1653646_dbj_BAA18558_ (D90915) uridine monophosphate kinase [Synechocystis sp.]'		

Seq. No.	16213	Seq. ID	OJ990727_08.9B05.C5
Gene No.	34207	Strand	+
Start	6629	End	8583

Name	OJ990727_08.9B05.C5.o3.gs	Method	GENSCAN
Start	6629	End	7237
GI	none	Score	.98
Exons	6629..6995, 7145..7237		

Seq. No.	16213	Seq. ID	OJ990727_08.9B05.C5
Gene No.	34207	Strand	+
Start	6629	End	8583
Name	OJ990727_08.9B05.C5.o2.np	Method	AAT/NAP
Start	6755	End	8583
GI	6942227	Score	129
Exons	6755..7005, 8559..8583		
GI Descrip.	(AF221130) chromatin remodeling factor WCRF180 [Homo sapiens]		

Seq. No.	16213	Seq. ID	OJ990727_08.9B05.C5
Gene No.	34208	Strand	-
Start	681	End	1937
Name	OJ990727_08.9B05.C5.o1.gs	Method	GENSCAN
Start	681	End	1937
GI	none	Score	.75
Exons	681..902, 1482..1937		

Seq. No.	16213	Seq. ID	OJ990727_08.9B05.C5
Gene No.	34209	Strand	
Start	3010	End	5349
Name	OJ990727_08.9B05.C5.o2.ts	Method	TBLASTX:Soybean
Start	3010	End	3543
GI	none	Score	137
Exons	3010..3138, 3048..3119, 3209..3268, 3508..3543		

Seq. No.	16213	Seq. ID	OJ990727_08.9B05.C5
Gene No.	34209	Strand	
Start	3010	End	5349
Name	OJ990727_08.9B05.C5.o1.tm	Method	TBLASTX:Maize
Start	3220	End	5349
GI	none	Score	90
Exons	3220..3267, 3220..3267, 3224..3271, 3490..3660, 3493..3585, 3495..3593, 4149..4343, 4153..4344, 4157..4345, 4158..4382, 4982..5170, 4995..5171, 4996..5172, 4996..5169, 5022..5171, 5244..5348, 5245..5349, 5254..5349		

Seq. No.	16213	Seq. ID	OJ990727_08.9B05.C5
Gene No.	34209	Strand	
Start	3010	End	5349
Name	OJ990727_08.9B05.C5.o1.ts	Method	TBLASTX:Soybean
Start	4227	End	5337
GI	none	Score	134
Exons	4227..4334, 4232..4345, 4238..4339, 4334..4387, 4335..4382, 4982..5170, 4996..5172, 4996..5169, 5022..5180, 5217..5336, 5245..5337		

Seq. No.	16214	Seq. ID	OJ990727_08.9B05.C8
Gene No.	34210	Strand	+
Start	4517	End	4849
Name	OJ990727_08.9B05.C8.o2.gs	Method	GENSCAN
Start	4517	End	4849
GI	none	Score	.62

Exons	4517..4649, 4697..4849		
Seq. No.	16214	Seq. ID	OJ990727_08.9B05.C8
Gene No.	34211	Strand	-
Start	105	End	3020
Name	OJ990727_08.9B05.C8.o1.gp	Method	AAT/GAP
Start	105	End	527
GI	none	Score	811
Exons	105..527		
Seq. No.	16214	Seq. ID	OJ990727_08.9B05.C8
Gene No.	34211	Strand	-
Start	105	End	3020
Name	OJ990727_08.9B05.C8.o1.gs	Method	GENSCAN
Start	381	End	3020
GI	none	Score	.89
Exons	381..568, 722..898, 1845..2012, 2101..2379, 2771..3020		
Seq. No.	16214	Seq. ID	OJ990727_08.9B05.C8
Gene No.	34211	Strand	-
Start	105	End	3020
Name	OJ990727_08.9B05.C8.o1.tc	Method	TBLASTX:Cress
Start	381	End	570
GI	none	Score	95
Exons	381..569, 382..570		
Seq. No.	16214	Seq. ID	OJ990727_08.9B05.C8
Gene No.	34211	Strand	-
Start	105	End	3020
Name	OJ990727_08.9B05.C8.o1.tw	Method	TBLASTX:Wheat
Start	499	End	2017
GI	none	Score	109
Exons	499..570, 501..569, 722..802, 726..815, 734..832, 735..812, 1840..2013, 1841..2017, 1846..2013		
Seq. No.	16214	Seq. ID	OJ990727_08.9B05.C8
Gene No.	34211	Strand	-
Start	105	End	3020
Name	OJ990727_08.9B05.C8.o2.gp	Method	AAT/GAP
Start	2186	End	2969
GI	none	Score	915
Exons	2186..2379, 2490..2586, 2771..2969		
Seq. No.	16215	Seq. ID	OJ990727_08.9B05.C9
Gene No.	34212	Strand	+
Start	1	End	3744
Name	OJ990727_08.9B05.C9.o1.np	Method	AAT/NAP
Start	1	End	3589
GI	3935138	Score	543
Exons	1..72, 557..835, 962..1117, 1526..1596, 2076..2467, 2699..2785, 3097..3196, 3325..3589		
GI Descrip.	(AC005106) T25N20.2 [Arabidopsis thaliana]		
Seq. No.	16215	Seq. ID	OJ990727_08.9B05.C9
Gene No.	34212	Strand	+
Start	1	End	3744
Name	OJ990727_08.9B05.C9.o1.gs	Method	GENSCAN

Start	215	End	3744
GI	none	Score	.87
Exons	215..1114, 1526..1560, 1729..1802, 2251..2467, 3097..3196, 3325..3744		

Seq. No.	16215	Seq. ID	OJ990727_08.9B05.C9
Gene No.	34213	Strand	-
Start	5520	End	6071
Name	OJ990727_08.9B05.C9.o2.gs	Method	GENSCAN
Start	5520	End	6071
GI	none	Score	1
Exons	5520..6071		

Seq. No.	16215	Seq. ID	OJ990727_08.9B05.C9
Gene No.	34214	Strand	-
Start	7721	End	15917
Name	OJ990727_08.9B05.C9.o1.gp	Method	AAT/GAP
Start	7698	End	10162
GI	none	Score	908
Exons	7698..7960, 8050..8118, 8213..8252, 9927..10010, 10103..10162		

Seq. No.	16215	Seq. ID	OJ990727_08.9B05.C9
Gene No.	34214	Strand	-
Start	7721	End	15917
Name	OJ990727_08.9B05.C9.o3.gs	Method	GENSCAN
Start	7721	End	10287
GI	none	Score	.78
Exons	7721..7960, 8050..8118, 8213..8252, 9075..9193, 9382..9499, 9927..10010, 10103..10287		

Seq. No.	16215	Seq. ID	OJ990727_08.9B05.C9
Gene No.	34214	Strand	-
Start	7721	End	15917
Name	OJ990727_08.9B05.C9.o2.tc	Method	TBLASTX:Cress
Start	7724	End	8239
GI	none	Score	246
Exons	7724..7963, 7724..7777, 7725..7961, 7883..7963, 8026..8121, 8051..8116, 8210..8239		

Seq. No.	16215	Seq. ID	OJ990727_08.9B05.C9
Gene No.	34214	Strand	-
Start	7721	End	15917
Name	OJ990727_08.9B05.C9.o4.np	Method	AAT/NAP
Start	7934	End	14032
GI	3004557	Score	448
Exons	7934..7960, 8725..8830, 11527..11649, 11736..11942, 12032..12102, 13988..14032		
GI Descrip.	(AC003673) plasma membrane proton ATPase (PMA) [Arabidopsis thaliana]		

Seq. No.	16215	Seq. ID	OJ990727_08.9B05.C9
Gene No.	34214	Strand	-
Start	7721	End	15917
Name	OJ990727_08.9B05.C9.o2.np	Method	AAT/NAP
Start	8444	End	15391
GI	6069646	Score	448
Exons	8444..8686, 9234..9879, 15352..15391		

GI Descrip. (AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi|6907112|dbj|BAA90639.1| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]

Seq. No.	16215	Seq. ID	OJ990727_08.9B05.C9
Gene No.	34214	Strand	-
Start	7721	End	15917
Name	OJ990727_08.9B05.C9.o4.tm	Method	TBLASTX:Maize
Start	8552	End	14297
GI	none	Score	104
Exons	8552..8635, 9223..9462, 9234..9461, 9471..9635, 14154..14297		

Seq. No.	16215	Seq. ID	OJ990727_08.9B05.C9
Gene No.	34214	Strand	-
Start	7721	End	15917
Name	OJ990727_08.9B05.C9.o3.tw	Method	TBLASTX:Wheat
Start	9270	End	9458
GI	none	Score	206
Exons	9270..9458		

Seq. No.	16215	Seq. ID	OJ990727_08.9B05.C9
Gene No.	34214	Strand	-
Start	7721	End	15917
Name	OJ990727_08.9B05.C9.o3.np	Method	AAT/NAP
Start	11246	End	11562
GI	170292	Score	99
Exons	11246..11562		

GI Descrip. (M80492) plasma membrane H+ ATPase [Nicotiana plumbaginifolia]

Seq. No.	16215	Seq. ID	OJ990727_08.9B05.C9
Gene No.	34214	Strand	-
Start	7721	End	15917
Name	OJ990727_08.9B05.C9.o1.tc	Method	TBLASTX:Cress
Start	11271	End	12100
GI	none	Score	43
Exons	11271..11342, 11300..11329, 11336..11425, 11391..11429, 11527..11652, 11528..11653, 11579..11653, 11736..11942, 11736..11945, 11737..11943, 12026..12100, 12030..12092		

Seq. No.	16215	Seq. ID	OJ990727_08.9B05.C9
Gene No.	34214	Strand	-
Start	7721	End	15917
Name	OJ990727_08.9B05.C9.o2.tm	Method	TBLASTX:Maize
Start	11300	End	12100
GI	none	Score	40
Exons	11300..11338, 11301..11336, 11318..11425, 11336..11425, 11525..11653, 11527..11652, 11734..11880, 11736..11924, 11736..11945, 11737..11943, 12026..12100, 12039..12098		

Seq. No.	16215	Seq. ID	OJ990727_08.9B05.C9
Gene No.	34214	Strand	-
Start	7721	End	15917
Name	OJ990727_08.9B05.C9.o1.tw	Method	TBLASTX:Wheat
Start	11525	End	12080
GI	none	Score	140

Exons	11525..11653, 11527..11652, 11736..11945, 11737..11943, 12026..12079, 12039..12080		
Seq. No.	16215	Seq. ID	OJ990727_08.9B05.C9
Gene No.	34214	Strand	-
Start	7721	End	15917
Name	OJ990727_08.9B05.C9.o2.ts	Method	TBLASTX:Soybean
Start	11525	End	12100
GI	none	Score	148
Exons	11525..11653, 11527..11652, 11734..11922, 11736..11930, 11736..11945, 11737..11943, 12026..12100, 12030..12098		
Seq. No.	16215	Seq. ID	OJ990727_08.9B05.C9
Gene No.	34214	Strand	-
Start	7721	End	15917
Name	OJ990727_08.9B05.C9.o5.np	Method	AAT/NAP
Start	12601	End	13806
GI	1196998	Score	2104
Exons	12601..13806		
GI Descrip.	(J01829) unknown protein [Transposon Tn10] gi\|5103202\|dbj\|BAA78838.1\| (AP000342) transposase of Tn10 [Plasmid R100] gi\|5706382\|dbj\|BAA83097.1\| (AB026428) transposase [Methylomonas aminofaciens] gi\|5738092\|gb\|AAD50250.1\|AF162223_9 (AF162223) IS10-right transposase [Shigella flexneri] gi\|6721110\|gb\|AAF26764.1\|AC007396_13 (AC007396) T4O12.21 [Arabidopsis thaliana]		
Seq. No.	16215	Seq. ID	OJ990727_08.9B05.C9
Gene No.	34214	Strand	-
Start	7721	End	15917
Name	OJ990727_08.9B05.C9.o2.tw	Method	TBLASTX:Wheat
Start	14148	End	14513
GI	none	Score	244
Exons	14148..14513, 14162..14311		
Seq. No.	16215	Seq. ID	OJ990727_08.9B05.C9
Gene No.	34214	Strand	-
Start	7721	End	15917
Name	OJ990727_08.9B05.C9.o5.tm	Method	TBLASTX:Maize
Start	14399	End	14657
GI	none	Score	217
Exons	14399..14545, 14400..14657		
Seq. No.	16215	Seq. ID	OJ990727_08.9B05.C9
Gene No.	34214	Strand	-
Start	7721	End	15917
Name	OJ990727_08.9B05.C9.o2.gp	Method	AAT/GAP
Start	14865	End	15411
GI	29830_1.R1084	Score	997
Exons	14865..15411		
GI Descrip.	'3914212/sp\|P97608\|OPLA_RAT 1.0e-23 5-OXOPROLINASE (5-OXO-L-PROLINASE) (PYROGLUTAMASE) (5-OPASE) >gi_1732065 (U70825) 5-oxo-L-prolinase [Rattus norvegicus]'		
Seq. No.	16215	Seq. ID	OJ990727_08.9B05.C9
Gene No.	34214	Strand	-
Start	7721	End	15917

Name	OJ990727_08.9B05.C9.o7.np	Method	AAT/NAP
Start	14988	End	15917
GI	3914212	Score	859
Exons	14988..15917		
GI Descrip.	5-OXOPROLINASE (5-OXO-L-PROLINASE) (PYROGLUTAMASE) (5-OPASE) gi\|1732065 (U70825) 5-oxo-L-prolinase [Rattus norvegicus]		

Seq. No.	16215	Seq. ID	OJ990727_08.9B05.C9
Gene No.	34214	Strand	-
Start	7721	End	15917
Name	OJ990727_08.9B05.C9.o3.tm	Method	TBLASTX:Maize
Start	15053	End	15370
GI	none	Score	319
Exons	15053..15370, 15053..15370		

Seq. No.	16215	Seq. ID	OJ990727_08.9B05.C9
Gene No.	34214	Strand	-
Start	7721	End	15917
Name	OJ990727_08.9B05.C9.o3.tc	Method	TBLASTX:Cress
Start	15089	End	15274
GI	none	Score	123
Exons	15089..15274, 15090..15194, 15092..15274		

Seq. No.	16215	Seq. ID	OJ990727_08.9B05.C9
Gene No.	34214	Strand	-
Start	7721	End	15917
Name	OJ990727_08.9B05.C9.o1.ts	Method	TBLASTX:Soybean
Start	15362	End	15904
GI	none	Score	88
Exons	15362..15904, 15369..15455, 15391..15561, 15534..15878, 15778..15891		

Seq. No.	16215	Seq. ID	OJ990727_08.9B05.C9
Gene No.	34214	Strand	-
Start	7721	End	15917
Name	OJ990727_08.9B05.C9.o1.tm	Method	TBLASTX:Maize
Start	15372	End	15913
GI	none	Score	133
Exons	15372..15455, 15374..15913, 15380..15907		

Seq. No.	16216	Seq. ID	OJ990727_08.9B05.C11
Gene No.	34215	Strand	+
Start	8437	End	10089
Name	OJ990727_08.9B05.C11.o3.np	Method	AAT/NAP
Start	8311	End	10089
GI	6907086	Score	1199
Exons	8311..9077, 9138..9368, 9591..9660, 9750..10089		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	16216	Seq. ID	OJ990727_08.9B05.C11
Gene No.	34215	Strand	+
Start	8437	End	10089
Name	OJ990727_08.9B05.C11.o2.gs	Method	GENSCAN
Start	8437	End	9049
GI	none	Score	.99
Exons	8437..8514, 8603..9049		

Seq. No.	16216	Seq. ID	OJ990727_08.9B05.C11
Gene No.	34216	Strand	-
Start	239	End	4814
Name	OJ990727_08.9B05.C11.o1.np	Method	AAT/NAP
Start	239	End	4814
GI	4680179	Score	4548
Exons	239..3655, 3758..4814		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	16216	Seq. ID	OJ990727_08.9B05.C11
Gene No.	34217	Strand	-
Start	5305	End	6086
Name	OJ990727_08.9B05.C11.o5.tw	Method	TBLASTX:Wheat
Start	283	End	615
GI	none	Score	142
Exons	283..615, 304..573		

Seq. No.	16216	Seq. ID	OJ990727_08.9B05.C11
Gene No.	34217	Strand	-
Start	5305	End	6086
Name	OJ990727_08.9B05.C11.o8.tm	Method	TBLASTX:Maize
Start	298	End	456
GI	none	Score	192
Exons	298..456		

Seq. No.	16216	Seq. ID	OJ990727_08.9B05.C11
Gene No.	34217	Strand	-
Start	5305	End	6086
Name	OJ990727_08.9B05.C11.o1.tm	Method	TBLASTX:Maize
Start	466	End	1059
GI	none	Score	103
Exons	466..783, 466..903, 713..904, 761..904, 901..1059, 908..1054		

Seq. No.	16216	Seq. ID	OJ990727_08.9B05.C11
Gene No.	34217	Strand	-
Start	5305	End	6086
Name	OJ990727_08.9B05.C11.o1.tw	Method	TBLASTX:Wheat
Start	616	End	1242
GI	none	Score	257
Exons	616..1242, 740..1147		

Seq. No.	16216	Seq. ID	OJ990727_08.9B05.C11
Gene No.	34217	Strand	-
Start	5305	End	6086
Name	OJ990727_08.9B05.C11.o3.tm	Method	TBLASTX:Maize
Start	1111	End	1403
GI	none	Score	53
Exons	1111..1401, 1115..1159, 1211..1390, 1269..1403		

Seq. No.	16216	Seq. ID	OJ990727_08.9B05.C11
Gene No.	34217	Strand	-
Start	5305	End	6086
Name	OJ990727_08.9B05.C11.o2.ts	Method	TBLASTX:Soybean
Start	1201	End	1456
GI	none	Score	71
Exons	1201..1329, 1201..1449, 1211..1456		

Seq. No.	16216	Seq. ID	OJ990727_08.9B05.C11
Gene No.	34217	Strand	-
Start	5305	End	6086
Name	OJ990727_08.9B05.C11.o1.tc	Method	TBLASTX:Cress
Start	1225	End	1542
GI	none	Score	101
Exons	1225..1368, 1241..1366, 1369..1542, 1423..1521		

Seq. No.	16216	Seq. ID	OJ990727_08.9B05.C11
Gene No.	34217	Strand	-
Start	5305	End	6086
Name	OJ990727_08.9B05.C11.o2.tw	Method	TBLASTX:Wheat
Start	1249	End	1773
GI	none	Score	268
Exons	1249..1773, 1253..1621		

Seq. No.	16216	Seq. ID	OJ990727_08.9B05.C11
Gene No.	34217	Strand	-
Start	5305	End	6086
Name	OJ990727_08.9B05.C11.o3.tw	Method	TBLASTX:Wheat
Start	1816	End	2241
GI	none	Score	50
Exons	1816..1905, 1853..1903, 1903..2007, 1904..2179, 1905..2240, 1908..2183, 1909..2241		

Seq. No.	16216	Seq. ID	OJ990727_08.9B05.C11
Gene No.	34217	Strand	-
Start	5305	End	6086
Name	OJ990727_08.9B05.C11.o2.tm	Method	TBLASTX:Maize
Start	1929	End	2355
GI	none	Score	119
Exons	1929..2354, 1929..2354, 1942..2355		

Seq. No.	16216	Seq. ID	OJ990727_08.9B05.C11
Gene No.	34217	Strand	-
Start	5305	End	6086
Name	OJ990727_08.9B05.C11.o3.ts	Method	TBLASTX:Soybean
Start	1989	End	2234
GI	none	Score	209
Exons	1989..2234		

Seq. No.	16216	Seq. ID	OJ990727_08.9B05.C11
Gene No.	34217	Strand	-
Start	5305	End	6086
Name	OJ990727_08.9B05.C11.o6.tw	Method	TBLASTX:Wheat
Start	2247	End	2543
GI	none	Score	166
Exons	2247..2543, 2290..2499		

Seq. No.	16216	Seq. ID	OJ990727_08.9B05.C11
Gene No.	34217	Strand	-
Start	5305	End	6086
Name	OJ990727_08.9B05.C11.o1.ts	Method	TBLASTX:Soybean
Start	2256	End	2651
GI	none	Score	136
Exons	2256..2615, 2290..2499, 2307..2615, 2619..2651, 2619..2651		

Seq. No.	16216	Seq. ID	OJ990727_08.9B05.C11
Gene No.	34217	Strand	-
Start	5305	End	6086
Name	OJ990727_08.9B05.C11.o4.tm	Method	TBLASTX:Maize
Start	2538	End	3005
GI	none	Score	129
Exons	2538..3005, 2575..2934		

Seq. No.	16216	Seq. ID	OJ990727_08.9B05.C11
Gene No.	34217	Strand	-
Start	5305	End	6086
Name	OJ990727_08.9B05.C11.o4.tw	Method	TBLASTX:Wheat
Start	2592	End	3075
GI	none	Score	164
Exons	2592..3074, 2601..3047, 2620..3075		

Seq. No.	16216	Seq. ID	OJ990727_08.9B05.C11
Gene No.	34217	Strand	-
Start	5305	End	6086
Name	OJ990727_08.9B05.C11.o7.tm	Method	TBLASTX:Maize
Start	3006	End	3203
GI	none	Score	162
Exons	3006..3203, 3007..3153		

Seq. No.	16216	Seq. ID	OJ990727_08.9B05.C11
Gene No.	34217	Strand	-
Start	5305	End	6086
Name	OJ990727_08.9B05.C11.o7.tw	Method	TBLASTX:Wheat
Start	3222	End	3621
GI	none	Score	84
Exons	3222..3386, 3271..3390, 3399..3620, 3466..3621		

Seq. No.	16216	Seq. ID	OJ990727_08.9B05.C11
Gene No.	34217	Strand	-
Start	5305	End	6086
Name	OJ990727_08.9B05.C11.o6.tm	Method	TBLASTX:Maize
Start	3301	End	3627
GI	none	Score	44
Exons	3301..3384, 3303..3626, 3486..3620, 3514..3627		

Seq. No.	16216	Seq. ID	OJ990727_08.9B05.C11
Gene No.	34217	Strand	-
Start	5305	End	6086
Name	OJ990727_08.9B05.C11.o5.tm	Method	TBLASTX:Maize
Start	3936	End	4337
GI	none	Score	237
Exons	3936..4337		

Seq. No.	16216	Seq. ID	OJ990727_08.9B05.C11
Gene No.	34217	Strand	-
Start	5305	End	6086
Name	OJ990727_08.9B05.C11.o8.tw	Method	TBLASTX:Wheat
Start	4218	End	4595
GI	none	Score	60
Exons	4218..4595, 4477..4578		

Seq. No.	16216	Seq. ID	OJ990727_08.9B05.C11

Gene No.	34217	Strand	-
Start	5305	End	6086
Name	OJ990727_08.9B05.C11.o2.np	Method	AAT/NAP
Start	5305	End	6086
GI	6002794	Score	1244
Exons	5305..6086		
GI Descrip.	(AF149813) unknown [Oryza sativa]		

Seq. No.	16217	Seq. ID	OJ990727_08.9B05.C12
Gene No.	34218	Strand	+
Start	1	End	2933
Name	OJ990727_08.9B05.C12.o1.np	Method	AAT/NAP
Start	1	End	2933
GI	5852180	Score	464
Exons	1..47, 1259..1312, 2296..2421, 2473..2933		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	16217	Seq. ID	OJ990727_08.9B05.C12
Gene No.	34218	Strand	+
Start	1	End	2933
Name	OJ990727_08.9B05.C12.o1.gs	Method	GENSCAN
Start	302	End	379
GI	none	Score	.63
Exons	302..379		

Seq. No.	16217	Seq. ID	OJ990727_08.9B05.C12
Gene No.	34219	Strand	-
Start	655	End	2871
Name	OJ990727_08.9B05.C12.o2.gs	Method	GENSCAN
Start	655	End	2871
GI	none	Score	.48
Exons	655..721, 1493..1597, 2378..2619, 2625..2871		

Seq. No.	16217	Seq. ID	OJ990727_08.9B05.C12
Gene No.	34219	Strand	-
Start	655	End	2871
Name	OJ990727_08.9B05.C12.o1.gp	Method	AAT/GAP
Start	1161	End	1542
GI	uC-osflcyp033a04b1	Score	663
Exons	1161..1542		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	16218	Seq. ID	OJ990727_08.9B05.C13
Gene No.	34220	Strand	+
Start	724	End	1169
Name	OJ990727_08.9B05.C13.o1.gp	Method	AAT/GAP
Start	724	End	1169
GI	44649_1.R1084	Score	590
Exons	724..1169		
GI Descrip.	'3420239 5.0e-72 (AF059484) actin [Gossypium hirsutum]'		

Seq. No.	16218	Seq. ID	OJ990727_08.9B05.C13
Gene No.	34221	Strand	+
Start	2085	End	5329
Name	OJ990727_08.9B05.C13.o2.gp	Method	AAT/GAP
Start	2085	End	3750

GI	428863	Score	514
Exons	2085..2217, 3511..3586, 3673..3750		
GI Descrip.	113217/sp\|P23343\|ACT1_DAUCA 4.0e-21 ACTIN 1 >gi_100149_pir__S07002 actin 1 - carrot		

Seq. No.	16218	Seq. ID	OJ990727_08.9B05.C13
Gene No.	34221	Strand	+
Start	2085	End	5329
Name	OJ990727_08.9B05.C13.o1.ts	Method	TBLASTX:Soybean
Start	3511	End	5123
GI	none	Score	104
Exons	3511..3582, 3521..3586, 3521..3586, 3528..3587, 3662..3964, 3663..3965, 3663..3971, 3664..3972, 3664..3972, 3945..4049, 3954..4052, 3955..4053, 4269..4775, 4277..4900, 4279..4338, 4402..4896, 5048..5122, 5049..5123		

Seq. No.	16218	Seq. ID	OJ990727_08.9B05.C13
Gene No.	34221	Strand	+
Start	2085	End	5329
Name	OJ990727_08.9B05.C13.o1.tm	Method	TBLASTX:Maize
Start	3523	End	5136
GI	none	Score	113
Exons	3523..3585, 3524..3586, 3524..3586, 3525..3587, 3525..3587, 3526..3588, 3574..3627, 3662..4054, 3662..4069, 3663..4100, 3664..4071, 4277..4900, 4279..4341, 4283..4471, 4284..4892, 4402..4896, 4514..4900, 5048..5116, 5049..5120, 5050..5136		

Seq. No.	16218	Seq. ID	OJ990727_08.9B05.C13
Gene No.	34221	Strand	+
Start	2085	End	5329
Name	OJ990727_08.9B05.C13.o1.np	Method	AAT/NAP
Start	3527	End	5117
GI	231503	Score	1826
Exons	3527..3586, 3673..4066, 4284..4897, 5055..5117		
GI Descrip.	ACTIN 97 gi\|100417\|pir\|\|S20098 actin - potato gi\|21544\|emb\|CAA39280\| (X55751) actin [Solanum tuberosum]		

Seq. No.	16218	Seq. ID	OJ990727_08.9B05.C13
Gene No.	34221	Strand	+
Start	2085	End	5329
Name	OJ990727_08.9B05.C13.o2.gs	Method	GENSCAN
Start	3527	End	5120
GI	none	Score	94
Exons	3527..3586, 3673..4066, 4284..4897, 5055..5120		

Seq. No.	16218	Seq. ID	OJ990727_08.9B05.C13
Gene No.	34221	Strand	+
Start	2085	End	5329
Name	OJ990727_08.9B05.C13.o1.tc	Method	TBLASTX:Cress
Start	3527	End	5120
GI	none	Score	108
Exons	3527..3586, 3528..3587, 3538..3588, 3663..3695, 3663..4070, 3664..4071, 4277..4900, 4279..4341, 4283..4468, 4402..4896, 4523..4900, 5048..5116, 5049..5120, 5052..5117		

Seq. No.	16218	Seq. ID	OJ990727_08.9B05.C13
Gene No.	34221	Strand	+

Start	2085	End	5329
Name	OJ990727_08.9B05.C13.o1.tw	Method	TBLASTX:Wheat
Start	3660	End	4071
GI	none	Score	694
Exons	3660..4070, 3664..4071		

Seq. No.	16218	Seq. ID	OJ990727_08.9B05.C13
Gene No.	34221	Strand	+
Start	2085	End	5329
Name	OJ990727_08.9B05.C13.o3.tw	Method	TBLASTX:Wheat
Start	4277	End	4570
GI	none	Score	478
Exons	4277..4570, 4280..4468, 4281..4565, 4402..4569		

Seq. No.	16218	Seq. ID	OJ990727_08.9B05.C13
Gene No.	34221	Strand	+
Start	2085	End	5329
Name	OJ990727_08.9B05.C13.o3.gp	Method	AAT/GAP
Start	4491	End	5329
GI	3767527	Score	1226
Exons	4491..4897, 5055..5329		
GI Descrip.	3420239 5.0e-72 (AF059484) actin [Gossypium hirsutum]		

Seq. No.	16218	Seq. ID	OJ990727_08.9B05.C13
Gene No.	34221	Strand	+
Start	2085	End	5329
Name	OJ990727_08.9B05.C13.o2.tw	Method	TBLASTX:Wheat
Start	4571	End	5121
GI	none	Score	526
Exons	4571..4900, 4573..4896, 4583..4900, 4591..4935, 5048..5116, 5049..5120, 5050..5121, 5052..5117		

Seq. No.	16219	Seq. ID	OJ990727_08.9B05.C15
Gene No.	34222	Strand	-
Start	1	End	2485
Name	OJ990727_08.9B05.C15.o1.np	Method	AAT/NAP
Start	1	End	2485
GI	3914212	Score	2341
Exons	1..2485		
GI Descrip.	5-OXOPROLINASE (5-OXO-L-PROLINASE) (PYROGLUTAMASE) (5-OPASE) gi\|1732065 (U70825) 5-oxo-L-prolinase [Rattus norvegicus]		

Seq. No.	16219	Seq. ID	OJ990727_08.9B05.C15
Gene No.	34222	Strand	-
Start	1	End	2485
Name	OJ990727_08.9B05.C15.o2.tm	Method	TBLASTX:Maize
Start	1	End	251
GI	none	Score	285
Exons	1..246, 2..247, 2..250, 3..251		

Seq. No.	16219	Seq. ID	OJ990727_08.9B05.C15
Gene No.	34222	Strand	-
Start	1	End	2485
Name	OJ990727_08.9B05.C15.o1.gs	Method	GENSCAN
Start	92	End	2485
GI	none	Score	.62
Exons	92..2485		

Seq. No.	16219	Seq. ID	OJ990727_08.9B05.C15
Gene No.	34222	Strand	-
Start	1	End	2485
Name	OJ990727_08.9B05.C15.o1.tm	Method	TBLASTX:Maize
Start	474	End	878
GI	none	Score	521
Exons	474..878, 476..877		

Seq. No.	16219	Seq. ID	OJ990727_08.9B05.C15
Gene No.	34222	Strand	-
Start	1	End	2485
Name	OJ990727_08.9B05.C15.o1.gp	Method	AAT/GAP
Start	542	End	1038
GI	uC-osflm202111d01b1	Score	959
Exons	542..1038		
GI Descrip.	'3914212/sp\|P97608\|OPLA_RAT 2.0e-32 5-OXOPROLINASE (5-OXO-L-PROLINASE) (PYROGLUTAMASE) (5-OPASE) >gi_1732065 (U70825) 5-oxo-L-prolinase [Rattus norvegicus]'		

Seq. No.	16219	Seq. ID	OJ990727_08.9B05.C15
Gene No.	34222	Strand	-
Start	1	End	2485
Name	OJ990727_08.9B05.C15.o2.ts	Method	TBLASTX:Soybean
Start	1172	End	1352
GI	none	Score	106
Exons	1172..1351, 1194..1352		

Seq. No.	16219	Seq. ID	OJ990727_08.9B05.C15
Gene No.	34222	Strand	-
Start	1	End	2485
Name	OJ990727_08.9B05.C15.o3.tm	Method	TBLASTX:Maize
Start	1391	End	1912
GI	none	Score	40
Exons	1391..1426, 1404..1427, 1454..1549, 1461..1547, 1577..1732, 1590..1685, 1703..1912		

Seq. No.	16219	Seq. ID	OJ990727_08.9B05.C15
Gene No.	34222	Strand	-
Start	1	End	2485
Name	OJ990727_08.9B05.C15.o1.tc	Method	TBLASTX:Cress
Start	1828	End	2213
GI	none	Score	229
Exons	1828..1983, 1829..2020, 1830..2018, 1832..2023, 2096..2212, 2100..2213		

Seq. No.	16219	Seq. ID	OJ990727_08.9B05.C15
Gene No.	34222	Strand	-
Start	1	End	2485
Name	OJ990727_08.9B05.C15.o1.ts	Method	TBLASTX:Soybean
Start	2096	End	2269
GI	5175354	Score	174
Exons	2096..2269, 2103..2267, 2132..2269		
GI Descrip.	3914212/sp_P97608_OPLA_RAT 4.0e-13 5-OXOPROLINASE (5-OXO-L-PROLINASE) (PYROGLUTAMASE) (5-OPASE) >gi_1732065 (U70825) 5-oxo-L-prolinase [Rattus norvegicus]		

Seq. No.	16220	Seq. ID	OJ990727_08.9B05.C16
Gene No.	34223	Strand	+
Start	1	End	503
Name	OJ990727_08.9B05.C16.o2.np	Method	AAT/NAP
Start	1	End	503
GI	6562258	Score	172
Exons	1..503		
GI Descrip.	(AL132980) putative protein [Arabidopsis thaliana]		

Seq. No.	16220	Seq. ID	OJ990727_08.9B05.C16
Gene No.	34224	Strand	-
Start	1	End	185
Name	OJ990727_08.9B05.C16.o1.np	Method	AAT/NAP
Start	1	End	185
GI	6322634	Score	73
Exons	1..185		
GI Descrip.	Ykl215cp gi\|549754\|sp\|P28273\|YKV5_YEAST HYPOTHETICAL 140.4 KD PROTEIN IN URA1-DOA1 INTERGENIC REGION gi\|539224\|pir\|\|S38058 hypothetical protein YKL215c - yeast (Saccharomyces cerevisiae) gi\|473135\|emb\|CAA53558\| (X75951) ORF4, F1286 [Saccharomyces cerevisiae] gi\|486385\|emb\|CAA82060\| (Z28215) ORF YKL215c [Saccharomyces cerevisiae]		

Seq. No.	16220	Seq. ID	OJ990727_08.9B05.C16
Gene No.	34225	Strand	
Start	164	End	332
Name	OJ990727_08.9B05.C16.o1.tc	Method	TBLASTX:Cress
Start	164	End	323
GI	none	Score	199
Exons	164..316, 165..323		

Seq. No.	16220	Seq. ID	OJ990727_08.9B05.C16
Gene No.	34225	Strand	
Start	164	End	332
Name	OJ990727_08.9B05.C16.o1.ts	Method	TBLASTX:Soybean
Start	168	End	332
GI	4301121	Score	207
Exons	168..332, 182..331		
GI Descrip.	882341 3.0e-21 (U24702) LRP1 [Arabidopsis thaliana]		

Seq. No.	16221	Seq. ID	OJ990727_08.9B05.C17
Gene No.	34226	Strand	-
Start	1	End	504
Name	OJ990727_08.9B05.C17.o1.np	Method	AAT/NAP
Start	1	End	504
GI	4388818	Score	319
Exons	1..504		
GI Descrip.	(AC006528) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	16221	Seq. ID	OJ990727_08.9B05.C17
Gene No.	34226	Strand	-
Start	1	End	504
Name	OJ990727_08.9B05.C17.o1.tc	Method	TBLASTX:Cress
Start	34	End	495
GI	none	Score	58
Exons	34..282, 224..280, 298..495		

Seq. No.	16221	Seq. ID	OJ990727_08.9B05.C17
Gene No.	34226	Strand	-
Start	1	End	504
Name	OJ990727_08.9B05.C17.o1.gs	Method	GENSCAN
Start	42	End	456
GI	none	Score	.62
Exons	42..456		

Seq. No.	16221	Seq. ID	OJ990727_08.9B05.C17
Gene No.	34226	Strand	-
Start	1	End	504
Name	OJ990727_08.9B05.C17.o1.ts	Method	TBLASTX:Soybean
Start	145	End	504
GI	none	Score	64
Exons	145..294, 280..504, 281..451		

Seq. No.	16221	Seq. ID	OJ990727_08.9B05.C17
Gene No.	34226	Strand	-
Start	1	End	504
Name	OJ990727_08.9B05.C17.o1.tm	Method	TBLASTX:Maize
Start	169	End	501
GI	none	Score	132
Exons	169..282, 301..501		

Seq. No.	16222	Seq. ID	OJ990727_08.9B05.C18
Gene No.	34227	Strand	+
Start	475	End	658
Name	OJ990727_08.9B05.C18.o1.gp	Method	AAT/GAP
Start	475	End	658
GI	LIB3477-003-P1-K1-E9	Score	158
Exons	475..544, 619..658		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	16223	Seq. ID	OJ990617_02.9B01.C1
Gene No.	34228	Strand	+
Start	1	End	898
Name	OJ990617_02.9B01.C1.o1.np	Method	AAT/NAP
Start	1	End	898
GI	6721517	Score	1495
Exons	1..898		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	16223	Seq. ID	OJ990617_02.9B01.C1
Gene No.	34228	Strand	+
Start	1	End	898
Name	OJ990617_02.9B01.C1.o3.tw	Method	TBLASTX:Wheat
Start	37	End	190
GI	none	Score	226
Exons	37..183, 38..190		

Seq. No.	16223	Seq. ID	OJ990617_02.9B01.C1
Gene No.	34228	Strand	+
Start	1	End	898
Name	OJ990617_02.9B01.C1.o2.tm	Method	TBLASTX:Maize

Start	38	End	364
GI	none	Score	152
Exons	38..208, 194..364		

Seq. No.	16223	Seq. ID	OJ990617_02.9B01.C1
Gene No.	34228	Strand	+
Start	1	End	898
Name	OJ990617_02.9B01.C1.o1.gs	Method	GENSCAN
Start	50	End	763
GI	none	Score	.49
Exons	50..763		

Seq. No.	16223	Seq. ID	OJ990617_02.9B01.C1
Gene No.	34228	Strand	+
Start	1	End	898
Name	OJ990617_02.9B01.C1.o1.ts	Method	TBLASTX:Soybean
Start	83	End	487
GI	none	Score	57
Exons	83..115, 83..127, 115..168, 119..478, 119..196, 183..260, 235..477, 251..487		

Seq. No.	16223	Seq. ID	OJ990617_02.9B01.C1
Gene No.	34228	Strand	+
Start	1	End	898
Name	OJ990617_02.9B01.C1.o2.tw	Method	TBLASTX:Wheat
Start	191	End	462
GI	none	Score	362
Exons	191..460, 191..448, 229..462, 355..462		

Seq. No.	16223	Seq. ID	OJ990617_02.9B01.C1
Gene No.	34228	Strand	+
Start	1	End	898
Name	OJ990617_02.9B01.C1.o1.tm	Method	TBLASTX:Maize
Start	365	End	805
GI	none	Score	440
Exons	365..805, 379..792		

Seq. No.	16223	Seq. ID	OJ990617_02.9B01.C1
Gene No.	34228	Strand	+
Start	1	End	898
Name	OJ990617_02.9B01.C1.o1.tw	Method	TBLASTX:Wheat
Start	463	End	879
GI	none	Score	576
Exons	463..879, 464..877		

Seq. No.	16223	Seq. ID	OJ990617_02.9B01.C1
Gene No.	34228	Strand	+
Start	1	End	898
Name	OJ990617_02.9B01.C1.o2.ts	Method	TBLASTX:Soybean
Start	503	End	745
GI	none	Score	193
Exons	503..745, 548..703		

Seq. No.	16224	Seq. ID	OJ990617_02.9B01.C2
Gene No.	34229	Strand	+
Start	1	End	1880
Name	OJ990617_02.9B01.C2.o1.np	Method	AAT/NAP

Start	1	End	1880
GI	4680179	Score	2826
Exons	1..1880		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	16224	Seq. ID	OJ990617_02.9B01.C2
Gene No.	34229	Strand	+
Start	1	End	1880
Name	OJ990617_02.9B01.C2.o1.gs	Method	GENSCAN
Start	46	End	422
GI	none	Score	.78
Exons	46..422		

Seq. No.	16224	Seq. ID	OJ990617_02.9B01.C2
Gene No.	34230	Strand	+
Start	5561	End	5745
Name	OJ990617_02.9B01.C2.o3.np	Method	AAT/NAP
Start	5561	End	5745
GI	6721517	Score	85
Exons	5561..5745		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	16224	Seq. ID	OJ990617_02.9B01.C2
Gene No.	34231	Strand	-
Start	676	End	5745
Name	OJ990617_02.9B01.C2.o3.tw	Method	TBLASTX:Wheat
Start	1	End	290
GI	none	Score	113
Exons	1..267, 1..267, 2..283, 3..290, 3..284		

Seq. No.	16224	Seq. ID	OJ990617_02.9B01.C2
Gene No.	34231	Strand	-
Start	676	End	5745
Name	OJ990617_02.9B01.C2.o2.tm	Method	TBLASTX:Maize
Start	2	End	290
GI	none	Score	400
Exons	2..205, 3..290, 3..275		

Seq. No.	16224	Seq. ID	OJ990617_02.9B01.C2
Gene No.	34231	Strand	-
Start	676	End	5745
Name	OJ990617_02.9B01.C2.o2.tw	Method	TBLASTX:Wheat
Start	354	End	857
GI	none	Score	543
Exons	354..857, 402..851, 473..856		

Seq. No.	16224	Seq. ID	OJ990617_02.9B01.C2
Gene No.	34231	Strand	-
Start	676	End	5745
Name	OJ990617_02.9B01.C2.o1.ts	Method	TBLASTX:Soybean
Start	645	End	905
GI	none	Score	278
Exons	645..905, 650..904		

Seq. No.	16224	Seq. ID	OJ990617_02.9B01.C2
Gene No.	34231	Strand	-
Start	676	End	5745

Name	OJ990617_02.9B01.C2.o2.np	Method	AAT/NAP
Start	676	End	5745
GI	5295955	Score	465
Exons	676..713, 2151..2603, 2683..3016, 3044..3155, 3836..3950, 4493..4562, 5659..5745		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	16224	Seq. ID	OJ990617_02.9B01.C2
Gene No.	34231	Strand	-
Start	676	End	5745
Name	OJ990617_02.9B01.C2.o3.tm	Method	TBLASTX:Maize
Start	703	End	995
GI	none	Score	370
Exons	703..894, 704..991, 705..995		

Seq. No.	16224	Seq. ID	OJ990617_02.9B01.C2
Gene No.	34231	Strand	-
Start	676	End	5745
Name	OJ990617_02.9B01.C2.o2.gs	Method	GENSCAN
Start	828	End	4562
GI	none	Score	.74
Exons	828..904, 958..1012, 1068..1267, 1548..1676, 2705..3150, 3836..4014, 4425..4562		

Seq. No.	16224	Seq. ID	OJ990617_02.9B01.C2
Gene No.	34231	Strand	-
Start	676	End	5745
Name	OJ990617_02.9B01.C2.o1.tw	Method	TBLASTX:Wheat
Start	864	End	1490
GI	none	Score	613
Exons	864..1490, 867..893, 920..1378, 954..1445, 1430..1489		

Seq. No.	16224	Seq. ID	OJ990617_02.9B01.C2
Gene No.	34231	Strand	-
Start	676	End	5745
Name	OJ990617_02.9B01.C2.o1.tm	Method	TBLASTX:Maize
Start	1047	End	1632
GI	none	Score	219
Exons	1047..1205, 1052..1198, 1203..1301, 1205..1300, 1362..1556, 1552..1632		

Seq. No.	16224	Seq. ID	OJ990617_02.9B01.C2
Gene No.	34231	Strand	-
Start	676	End	5745
Name	OJ990617_02.9B01.C2.o4.tw	Method	TBLASTX:Wheat
Start	1491	End	1835
GI	none	Score	93
Exons	1491..1556, 1537..1692, 1728..1835		

Seq. No.	16225	Seq. ID	OJ990617_02.9B01.C3
Gene No.	34232	Strand	+
Start	1	End	1820
Name	OJ990617_02.9B01.C3.o1.np	Method	AAT/NAP
Start	1	End	1820
GI	6721517	Score	2893
Exons	1..99, 179..922, 971..1820		

GI Descrip. (AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]

Seq. No.	16225	Seq. ID	OJ990617_02.9B01.C3
Gene No.	34232	Strand	+
Start	1	End	1820
Name	OJ990617_02.9B01.C3.o3.tw	Method	TBLASTX:Wheat
Start	101	End	460
GI	none	Score	263
Exons	101..460, 104..376, 223..459		

Seq. No.	16225	Seq. ID	OJ990617_02.9B01.C3
Gene No.	34232	Strand	+
Start	1	End	1820
Name	OJ990617_02.9B01.C3.o1.gs	Method	GENSCAN
Start	179	End	1756
GI	none	Score	.42
Exons	179..922, 971..1756		

Seq. No.	16225	Seq. ID	OJ990617_02.9B01.C3
Gene No.	34232	Strand	+
Start	1	End	1820
Name	OJ990617_02.9B01.C3.o3.tm	Method	TBLASTX:Maize
Start	341	End	637
GI	none	Score	196
Exons	341..637, 358..528, 431..625		

Seq. No.	16225	Seq. ID	OJ990617_02.9B01.C3
Gene No.	34232	Strand	+
Start	1	End	1820
Name	OJ990617_02.9B01.C3.o2.tm	Method	TBLASTX:Maize
Start	1019	End	1296
GI	none	Score	205
Exons	1019..1294, 1204..1296		

Seq. No.	16225	Seq. ID	OJ990617_02.9B01.C3
Gene No.	34232	Strand	+
Start	1	End	1820
Name	OJ990617_02.9B01.C3.o2.tw	Method	TBLASTX:Wheat
Start	1028	End	1381
GI	none	Score	268
Exons	1028..1381, 1211..1354		

Seq. No.	16225	Seq. ID	OJ990617_02.9B01.C3
Gene No.	34232	Strand	+
Start	1	End	1820
Name	OJ990617_02.9B01.C3.o1.tw	Method	TBLASTX:Wheat
Start	1543	End	1819
GI	none	Score	303
Exons	1543..1818, 1544..1819		

Seq. No.	16225	Seq. ID	OJ990617_02.9B01.C3
Gene No.	34232	Strand	+
Start	1	End	1820
Name	OJ990617_02.9B01.C3.o1.tm	Method	TBLASTX:Maize
Start	1564	End	1816
GI	none	Score	273
Exons	1564..1629, 1565..1816, 1657..1809		

Seq. No.	16226	Seq. ID	OJ990617_02.9B01.C4
Gene No.	34233	Strand	-
Start	1	End	443
Name	OJ990617_02.9B01.C4.o1.np	Method	AAT/NAP
Start	1	End	443
GI	6721515	Score	418
Exons	1..76, 184..443		
GI Descrip.	(AP001072) Similar to mudrA. (M76978) [Oryza sativa]		

Seq. No.	16226	Seq. ID	OJ990617_02.9B01.C4
Gene No.	34233	Strand	-
Start	1	End	443
Name	OJ990617_02.9B01.C4.o1.tm	Method	TBLASTX:Maize
Start	181	End	407
GI	none	Score	115
Exons	181..396, 189..398, 264..407		

Seq. No.	16227	Seq. ID	OJ990617_02.9B01.C5
Gene No.	34234	Strand	+
Start	1	End	2001
Name	OJ990617_02.9B01.C5.o1.np	Method	AAT/NAP
Start	1	End	2001
GI	6721516	Score	85
Exons	1..36, 147..242, 1927..2001		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	16227	Seq. ID	OJ990617_02.9B01.C5
Gene No.	34235	Strand	+
Start	3592	End	4496
Name	OJ990617_02.9B01.C5.o2.np	Method	AAT/NAP
Start	3592	End	4496
GI	6721516	Score	117
Exons	3592..3669, 4410..4496		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	16227	Seq. ID	OJ990617_02.9B01.C5
Gene No.	34236	Strand	-
Start	1394	End	1735
Name	OJ990617_02.9B01.C5.o1.gs	Method	GENSCAN
Start	1394	End	1735
GI	none	Score	.95
Exons	1394..1735		

Seq. No.	16228	Seq. ID	OJ990617_02.9B01.C6
Gene No.	34237	Strand	+
Start	1	End	992
Name	OJ990617_02.9B01.C6.o1.np	Method	AAT/NAP
Start	1	End	992
GI	6721516	Score	376
Exons	1..42, 528..775, 848..992		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	16228	Seq. ID	OJ990617_02.9B01.C6
Gene No.	34238	Strand	-
Start	364	End	873
Name	OJ990617_02.9B01.C6.o1.gs	Method	GENSCAN

Start	364	End	873
GI	none	Score	.78
Exons	364..425, 793..873		

Seq. No.	16229	Seq. ID	OJ990617_02.9B01.C7
Gene No.	34239	Strand	+
Start	1	End	619
Name	OJ990617_02.9B01.C7.o1.np	Method	AAT/NAP
Start	1	End	619
GI	6721516	Score	139
Exons	1..118, 350..619		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	16230	Seq. ID	OJ990617_02.9B01.C8
Gene No.	34240	Strand	-
Start	1	End	362
Name	OJ990617_02.9B01.C8.o1.np	Method	AAT/NAP
Start	1	End	126
GI	6498436	Score	147
Exons	1..126		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	16230	Seq. ID	OJ990617_02.9B01.C8
Gene No.	34240	Strand	-
Start	1	End	362
Name	OJ990617_02.9B01.C8.o2.np	Method	AAT/NAP
Start	1	End	362
GI	6815052	Score	108
Exons	1..42, 244..362		
GI Descrip.	(AP001080) hypothetical protein [Oryza sativa]		

Seq. No.	16230	Seq. ID	OJ990617_02.9B01.C8
Gene No.	34240	Strand	-
Start	1	End	362
Name	OJ990617_02.9B01.C8.o1.gs	Method	GENSCAN
Start	40	End	126
GI	none	Score	.97
Exons	40..126		

Seq. No.	16231	Seq. ID	OJ990617_02.9B01.C9
Gene No.	34241	Strand	-
Start	1	End	626
Name	OJ990617_02.9B01.C9.o1.np	Method	AAT/NAP
Start	1	End	626
GI	6721518	Score	935
Exons	1..626		
GI Descrip.	(AP001072) Similar to NBS-LRR-like protein cD7. (AF098970) [Oryza sativa]		

Seq. No.	16231	Seq. ID	OJ990617_02.9B01.C9
Gene No.	34241	Strand	-
Start	1	End	626
Name	OJ990617_02.9B01.C9.o1.gs	Method	GENSCAN
Start	63	End	584
GI	none	Score	.53
Exons	63..584		

Seq. No.	16232	Seq. ID	OJ990617_02.9B01.C10
Gene No.	34242	Strand	+
Start	1	End	1354
Name	OJ990617_02.9B01.C10.o1.np	Method	AAT/NAP
Start	1	End	1354
GI	6721519	Score	184
Exons	1..83, 1226..1354		
GI Descrip.	(AP001072) EST AU082116(E4026) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	16232	Seq. ID	OJ990617_02.9B01.C10
Gene No.	34243	Strand	-
Start	191	End	1281
Name	OJ990617_02.9B01.C10.o1.gs	Method	GENSCAN
Start	191	End	1281
GI	none	Score	.89
Exons	191..294, 544..650, 1106..1281		

Seq. No.	16233	Seq. ID	OJ990617_02.9B01.C11
Gene No.	34244	Strand	+
Start	1	End	383
Name	OJ990617_02.9B01.C11.o1.np	Method	AAT/NAP
Start	1	End	383
GI	6498432	Score	191
Exons	1..64, 236..383		
GI Descrip.	(AP000815) Similar to Transcription factor HBP-1B. (P23923) [Oryza sativa]		

Seq. No.	16233	Seq. ID	OJ990617_02.9B01.C11
Gene No.	34244	Strand	+
Start	1	End	383
Name	OJ990617_02.9B01.C11.o1.tc	Method	TBLASTX:Cress
Start	237	End	383
GI	none	Score	186
Exons	237..383, 242..376		

Seq. No.	16233	Seq. ID	OJ990617_02.9B01.C11
Gene No.	34244	Strand	+
Start	1	End	383
Name	OJ990617_02.9B01.C11.o1.tw	Method	TBLASTX:Wheat
Start	237	End	383
GI	none	Score	193
Exons	237..383, 240..329, 260..382		

Seq. No.	16233	Seq. ID	OJ990617_02.9B01.C11
Gene No.	34244	Strand	+
Start	1	End	383
Name	OJ990617_02.9B01.C11.o1.tm	Method	TBLASTX:Maize
Start	237	End	383
GI	none	Score	220
Exons	237..383, 240..329, 242..382		

Seq. No.	16233	Seq. ID	OJ990617_02.9B01.C11
Gene No.	34244	Strand	+
Start	1	End	383
Name	OJ990617_02.9B01.C11.o1.ts	Method	TBLASTX:Soybean
Start	237	End	380

GI	none	Score	195
Exons	237..380, 257..379		

Seq. No.	16234	Seq. ID	OJ990617_02.9B01.C12
Gene No.	34245	Strand	-
Start	1	End	347
Name	OJ990617_02.9B01.C12.o1.np	Method	AAT/NAP
Start	1	End	347
GI	5295955	Score	195
Exons	1..175, 215..347		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	16234	Seq. ID	OJ990617_02.9B01.C12
Gene No.	34245	Strand	-
Start	1	End	347
Name	OJ990617_02.9B01.C12.o1.gs	Method	GENSCAN
Start	17	End	280
GI	none	Score	.46
Exons	17..280		

Seq. No.	16235	Seq. ID	OJ990617_02.9B01.C13
Gene No.	34246	Strand	+
Start	361	End	1899
Name	OJ990617_02.9B01.C13.o1.gs	Method	GENSCAN
Start	361	End	1899
GI	none	Score	.6
Exons	361..1239, 1290..1899		

Seq. No.	16235	Seq. ID	OJ990617_02.9B01.C13
Gene No.	34246	Strand	+
Start	361	End	1899
Name	OJ990617_02.9B01.C13.o1.np	Method	AAT/NAP
Start	539	End	1532
GI	6721518	Score	1678
Exons	539..1532		
GI Descrip.	(AP001072) Similar to NBS-LRR-like protein cD7. (AF098970) [Oryza sativa]		

Seq. No.	16235	Seq. ID	OJ990617_02.9B01.C13
Gene No.	34247	Strand	-
Start	3096	End	3287
Name	OJ990617_02.9B01.C13.o1.tm	Method	TBLASTX:Maize
Start	278	End	577
GI	none	Score	185
Exons	278..508, 283..492, 530..577, 532..576		

Seq. No.	16235	Seq. ID	OJ990617_02.9B01.C13
Gene No.	34247	Strand	-
Start	3096	End	3287
Name	OJ990617_02.9B01.C13.o1.ts	Method	TBLASTX:Soybean
Start	278	End	1278
GI	none	Score	152
Exons	278..421, 283..414, 443..496, 521..610, 538..591, 782..1033, 824..952, 1061..1111, 1171..1278		

Seq. No.	16235	Seq. ID	OJ990617_02.9B01.C13

Gene No.	34247	Strand	-
Start	3096	End	3287
Name	OJ990617_02.9B01.C13.o2.gs	Method	GENSCAN
Start	3096	End	3287
GI	none	Score	.92
Exons	3096..3287		

Seq. No.	16236	Seq. ID	OJ990617_02.9B01.C14
Gene No.	34248	Strand	+
Start	1	End	4160
Name	OJ990617_02.9B01.C14.o1.np	Method	AAT/NAP
Start	1	End	4157
GI	6721518	Score	940
Exons	1..92, 1109..1297, 3893..4157		
GI Descrip.	(AP001072) Similar to NBS-LRR-like protein cD7. (AF098970) [Oryza sativa]		

Seq. No.	16236	Seq. ID	OJ990617_02.9B01.C14
Gene No.	34248	Strand	+
Start	1	End	4160
Name	OJ990617_02.9B01.C14.o1.gs	Method	GENSCAN
Start	1109	End	4160
GI	none	Score	.58
Exons	1109..1297, 3893..4160		

Seq. No.	16236	Seq. ID	OJ990617_02.9B01.C14
Gene No.	34248	Strand	+
Start	1	End	4160
Name	OJ990617_02.9B01.C14.o2.tm	Method	TBLASTX:Maize
Start	2644	End	2962
GI	none	Score	60
Exons	2644..2760, 2776..2817, 2815..2961, 2873..2962		

Seq. No.	16236	Seq. ID	OJ990617_02.9B01.C14
Gene No.	34248	Strand	+
Start	1	End	4160
Name	OJ990617_02.9B01.C14.o1.tw	Method	TBLASTX:Wheat
Start	2677	End	3037
GI	none	Score	79
Exons	2677..2970, 2771..3037		

Seq. No.	16236	Seq. ID	OJ990617_02.9B01.C14
Gene No.	34248	Strand	+
Start	1	End	4160
Name	OJ990617_02.9B01.C14.o1.tm	Method	TBLASTX:Maize
Start	2962	End	3344
GI	none	Score	64
Exons	2962..3021, 2963..3019, 3062..3343, 3081..3344		

Seq. No.	16237	Seq. ID	OJ990617_02.9B01.C15
Gene No.	34249	Strand	+
Start	623	End	1086
Name	OJ990617_02.9B01.C15.o1.gs	Method	GENSCAN
Start	623	End	1086
GI	none	Score	.96
Exons	623..734, 947..1086		

Seq. No.	16237	Seq. ID	OJ990617_02.9B01.C15
Gene No.	34249	Strand	+
Start	623	End	1086
Name	OJ990617_02.9B01.C15.o1.np	Method	AAT/NAP
Start	623	End	1085
GI	6721519	Score	358
Exons	623..734, 947..1085		
GI Descrip.	(AP001072) EST AU082116(E4026) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	16237	Seq. ID	OJ990617_02.9B01.C15
Gene No.	34250	Strand	-
Start	1461	End	1564
Name	OJ990617_02.9B01.C15.o2.gs	Method	GENSCAN
Start	1461	End	1564
GI	none	Score	.53
Exons	1461..1564		

Seq. No.	16238	Seq. ID	OJ990617_02.9B01.C16
Gene No.	34251	Strand	+
Start	1	End	1175
Name	OJ990617_02.9B01.C16.o1.np	Method	AAT/NAP
Start	1	End	518
GI	6721519	Score	504
Exons	1..81, 197..518		
GI Descrip.	(AP001072) EST AU082116(E4026) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	16238	Seq. ID	OJ990617_02.9B01.C16
Gene No.	34251	Strand	+
Start	1	End	1175
Name	OJ990617_02.9B01.C16.o1.gs	Method	GENSCAN
Start	199	End	1175
GI	none	Score	.75
Exons	199..477, 976..1175		

Seq. No.	16238	Seq. ID	OJ990617_02.9B01.C16
Gene No.	34252	Strand	-
Start	197	End	654
Name	OJ990617_02.9B01.C16.o1.gp	Method	AAT/GAP
Start	197	End	654
GI	4160_1.R1084	Score	865
Exons	197..654		
GI Descrip.	'5852172/emb\|CAB55410.1\| 4.0e-11 (AL117265) zhb0002.1 [Oryza sativa]'		

Seq. No.	16238	Seq. ID	OJ990617_02.9B01.C16
Gene No.	34252	Strand	-
Start	197	End	654
Name	OJ990617_02.9B01.C16.o1.tm	Method	TBLASTX:Maize
Start	198	End	521
GI	none	Score	49
Exons	198..230, 246..293, 247..294, 321..395, 335..517, 483..521		

Seq. No.	16239	Seq. ID	OJ990617_02.9B01.C17
Gene No.	34253	Strand	+
Start	1161	End	2270

Name	OJ990617_02.9B01.C17.o1.gs	Method	GENSCAN
Start	1161	End	2254
GI	none	Score	.93
Exons	1161..1247, 1393..1612, 1729..1881, 1981..2254		

Seq. No.	16239	Seq. ID	OJ990617_02.9B01.C17
Gene No.	34253	Strand	+
Start	1161	End	2270
Name	OJ990617_02.9B01.C17.o1.np	Method	AAT/NAP
Start	1161	End	2270
GI	6721520	Score	1174
Exons	1161..1247, 1393..1612, 1729..1881, 1981..2270		
GI Descrip.	(AP001072) EST AU029428(E30359) corresponds to a region of the predicted gene.; Similar to antifreeze-like protein (D86598) [Oryza sativa]		

Seq. No.	16239	Seq. ID	OJ990617_02.9B01.C17
Gene No.	34253	Strand	+
Start	1161	End	2270
Name	OJ990617_02.9B01.C17.o1.tc	Method	TBLASTX:Cress
Start	1740	End	2117
GI	none	Score	88
Exons	1740..1829, 1848..1883, 1973..2116, 1977..2117		

Seq. No.	16239	Seq. ID	OJ990617_02.9B01.C17
Gene No.	34253	Strand	+
Start	1161	End	2270
Name	OJ990617_02.9B01.C17.o1.ts	Method	TBLASTX:Soybean
Start	1740	End	2117
GI	none	Score	95
Exons	1740..1853, 1845..1883, 1973..2107, 1977..2117		

Seq. No.	16239	Seq. ID	OJ990617_02.9B01.C17
Gene No.	34253	Strand	+
Start	1161	End	2270
Name	OJ990617_02.9B01.C17.o1.tm	Method	TBLASTX:Maize
Start	1740	End	2117
GI	none	Score	42
Exons	1740..1802, 1854..1883, 1973..2107, 1977..2117		

Seq. No.	16240	Seq. ID	OJ990617_02.9B01.C18
Gene No.	34254	Strand	+
Start	272	End	657
Name	OJ990617_02.9B01.C18.o1.np	Method	AAT/NAP
Start	272	End	657
GI	6721520	Score	430
Exons	272..485, 571..657		
GI Descrip.	(AP001072) EST AU029428(E30359) corresponds to a region of the predicted gene.; Similar to antifreeze-like protein (D86598) [Oryza sativa]		

Seq. No.	16240	Seq. ID	OJ990617_02.9B01.C18
Gene No.	34255	Strand	-
Start	79	End	639
Name	OJ990617_02.9B01.C18.o1.gs	Method	GENSCAN
Start	79	End	639
GI	none	Score	.44

Exons	79..215, 318..639		
Seq. No.	16240	Seq. ID	OJ990617_02.9B01.C18
Gene No.	34255	Strand	-
Start	79	End	639
Name	OJ990617_02.9B01.C18.o1.tm	Method	TBLASTX:Maize
Start	259	End	484
GI	none	Score	205
Exons	259..291, 271..309, 272..484, 297..449, 364..483		
Seq. No.	16240	Seq. ID	OJ990617_02.9B01.C18
Gene No.	34255	Strand	-
Start	79	End	639
Name	OJ990617_02.9B01.C18.o1.tc	Method	TBLASTX:Cress
Start	271	End	484
GI	none	Score	221
Exons	271..309, 272..484, 364..483		
Seq. No.	16240	Seq. ID	OJ990617_02.9B01.C18
Gene No.	34255	Strand	-
Start	79	End	639
Name	OJ990617_02.9B01.C18.o1.ts	Method	TBLASTX:Soybean
Start	271	End	484
GI	none	Score	226
Exons	271..483, 272..484		
Seq. No.	16241	Seq. ID	OJ990617_02.9B01.C19
Gene No.	34256	Strand	-
Start	344	End	568
Name	OJ990617_02.9B01.C19.o1.gs	Method	GENSCAN
Start	344	End	556
GI	none	Score	.58
Exons	344..556		
Seq. No.	16241	Seq. ID	OJ990617_02.9B01.C19
Gene No.	34256	Strand	-
Start	344	End	568
Name	OJ990617_02.9B01.C19.o1.np	Method	AAT/NAP
Start	347	End	568
GI	6498425	Score	362
Exons	347..568		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		
Seq. No.	16242	Seq. ID	OJ990617_02.9B01.C21
Gene No.	34257	Strand	+
Start	281	End	424
Name	OJ990617_02.9B01.C21.o2.np	Method	AAT/NAP
Start	281	End	424
GI	133351	Score	130
Exons	281..424		
GI Descrip.	REPRESSOR PROTEIN CI gi\|540747\|pir\|\|S04828 repressor protein cI - phage phi-80 gi\|14804\|emb\|CAA31471\| (X13065) cI gene (AA 1 - 236) [Bacteriophage phi-80]		
Seq. No.	16242	Seq. ID	OJ990617_02.9B01.C21
Gene No.	34258	Strand	-
Start	1	End	163

Name	OJ990617_02.9B01.C21.o1.np	Method	AAT/NAP
Start	1	End	163
GI	137997	Score	262
Exons	1..163		
GI Descrip.	GENE 30 PROTEIN gi\|540743\|pir\|\|S04829 gene 30 protein - phage phi-80 gi\|14805\|emb\|CAA31472\| (X13065) gene 30 (AA 1 - 73) [Bacteriophage phi-80]		

Seq. No.	16242	Seq. ID	OJ990617_02.9B01.C21
Gene No.	34259	Strand	-
Start	77	End	163
Name	OJ990617_02.9B01.C21.o1.gs	Method	GENSCAN
Start	77	End	163
GI	none	Score	.66
Exons	77..163		

Seq. No.	16243	Seq. ID	OJ990617_02.9B01.C23
Gene No.	34260	Strand	-
Start	271	End	729
Name	OJ990617_02.9B01.C23.o1.gs	Method	GENSCAN
Start	271	End	704
GI	none	Score	.43
Exons	271..315, 403..675, 687..704		

Seq. No.	16243	Seq. ID	OJ990617_02.9B01.C23
Gene No.	34260	Strand	-
Start	271	End	729
Name	OJ990617_02.9B01.C23.o1.np	Method	AAT/NAP
Start	403	End	729
GI	6721516	Score	348
Exons	403..606, 687..729		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	16244	Seq. ID	OJ990617_02.9B01.C25
Gene No.	34261	Strand	-
Start	143	End	715
Name	OJ990617_02.9B01.C25.o1.np	Method	AAT/NAP
Start	143	End	715
GI	6498434	Score	417
Exons	143..488, 527..715		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	16245	Seq. ID	OJ990617_02.9B01.C26
Gene No.	34262	Strand	-
Start	1	End	419
Name	OJ990617_02.9B01.C26.o1.np	Method	AAT/NAP
Start	1	End	419
GI	6498433	Score	753
Exons	1..419		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	16245	Seq. ID	OJ990617_02.9B01.C26
Gene No.	34262	Strand	-
Start	1	End	419
Name	OJ990617_02.9B01.C26.o1.tm	Method	TBLASTX:Maize
Start	1	End	418
GI	none	Score	79

Exons	1..75, 3..80, 108..155, 207..416, 216..416, 227..418		
Seq. No.	16245	Seq. ID	OJ990617_02.9B01.C26
Gene No.	34262	Strand	-
Start	1	End	419
Name	OJ990617_02.9B01.C26.o1.ts	Method	TBLASTX:Soybean
Start	226	End	416
GI	none	Score	128
Exons	226..411, 228..416, 239..415		
Seq. No.	16246	Seq. ID	OJ990617_02.9B01.C27
Gene No.	34263	Strand	-
Start	27	End	171
Name	OJ990617_02.9B01.C27.o1.gs	Method	GENSCAN
Start	27	End	171
GI	none	Score	.52
Exons	27..171		
Seq. No.	16247	Seq. ID	OJ990617_02.9B01.C28
Gene No.	34264	Strand	+
Start	1	End	1216
Name	OJ990617_02.9B01.C28.o1.np	Method	AAT/NAP
Start	1	End	1216
GI	6498434	Score	93
Exons	1..79, 416..502, 1142..1216		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		
Seq. No.	16247	Seq. ID	OJ990617_02.9B01.C28
Gene No.	34264	Strand	+
Start	1	End	1216
Name	OJ990617_02.9B01.C28.o1.gs	Method	GENSCAN
Start	416	End	541
GI	none	Score	.73
Exons	416..541		
Seq. No.	16248	Seq. ID	OJ990617_02.9B01.C29
Gene No.	34265	Strand	+
Start	1	End	1345
Name	OJ990617_02.9B01.C29.o1.np	Method	AAT/NAP
Start	1	End	1345
GI	6498434	Score	245
Exons	1..54, 1112..1345		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		
Seq. No.	16248	Seq. ID	OJ990617_02.9B01.C29
Gene No.	34266	Strand	-
Start	1141	End	1287
Name	OJ990617_02.9B01.C29.o1.gp	Method	AAT/GAP
Start	1077	End	1201
GI	uC-osroM202032e07b1	Score	221
Exons	1077..1201		
GI Descrip.	'5042437/gb\|AC007789.1\|AC007789 4.0e-14 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		
Seq. No.	16248	Seq. ID	OJ990617_02.9B01.C29
Gene No.	34266	Strand	-
Start	1141	End	1287

Name	OJ990617_02.9B01.C29.o1.gs	Method	GENSCAN
Start	1141	End	1287
GI	none	Score	.97
Exons	1141..1287		

Seq. No.	16249	Seq. ID	OJ990617_02.9B01.C30
Gene No.	34267	Strand	-
Start	308	End	737
Name	OJ990617_02.9B01.C30.o1.np	Method	AAT/NAP
Start	308	End	737
GI	6498423	Score	135
Exons	308..413, 540..737		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	16249	Seq. ID	OJ990617_02.9B01.C30
Gene No.	34267	Strand	-
Start	308	End	737
Name	OJ990617_02.9B01.C30.o1.gs	Method	GENSCAN
Start	351	End	593
GI	none	Score	.61
Exons	351..413, 540..593		

Seq. No.	16250	Seq. ID	OJ990617_02.9B01.C35
Gene No.	34268	Strand	+
Start	262	End	357
Name	OJ990617_02.9B01.C35.o1.gs	Method	GENSCAN
Start	262	End	357
GI	none	Score	.55
Exons	262..357		

Seq. No.	16250	Seq. ID	OJ990617_02.9B01.C35
Gene No.	34269	Strand	-
Start	920	End	1015
Name	OJ990617_02.9B01.C35.o2.gs	Method	GENSCAN
Start	920	End	1015
GI	none	Score	.63
Exons	920..1015		

Seq. No.	16251	Seq. ID	OJ990617_02.9B01.C36
Gene No.	34270	Strand	+
Start	120	End	456
Name	OJ990617_02.9B01.C36.o1.np	Method	AAT/NAP
Start	120	End	456
GI	6498427	Score	266
Exons	120..243, 399..456		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	16252	Seq. ID	OJ990617_02.9B01.C37
Gene No.	34271	Strand	-
Start	569	End	708
Name	OJ990617_02.9B01.C37.o1.gs	Method	GENSCAN
Start	569	End	708
GI	none	Score	.58
Exons	569..708		

Seq. No.	16253	Seq. ID	OJ990617_02.9B01.C38
Gene No.	34272	Strand	+

Start	1001	End	3176
Name	OJ990617_02.9B01.C38.o1.gp	Method	AAT/GAP
Start	1001	End	3176
GI	1259_1.R1084	Score	2875
Exons	1001..1514, 1614..1678, 1871..2198, 2301..2399, 2622..3176		
GI Descrip.	'1052960 0.0e+00 (U37437) PNIL34 [Ipomoea nil]'		

Seq. No.	16253	Seq. ID	OJ990617_02.9B01.C38
Gene No.	34272	Strand	+
Start	1001	End	3176
Name	OJ990617_02.9B01.C38.o1.tm	Method	TBLASTX:Maize
Start	1033	End	3091
GI	none	Score	247
Exons	1033..1389, 1033..1287, 1199..1390, 1351..1389, 1433..1477, 1457..1513, 1458..1547, 1611..1679, 1613..1705, 1613..1678, 1869..1937, 1870..1911, 1871..2188, 1872..2189, 2295..2417, 2300..2404, 2619..2906, 2621..2893, 2970..3056, 2974..3033, 3062..3091		

Seq. No.	16253	Seq. ID	OJ990617_02.9B01.C38
Gene No.	34272	Strand	+
Start	1001	End	3176
Name	OJ990617_02.9B01.C38.o1.np	Method	AAT/NAP
Start	1034	End	2882
GI	6498420	Score	1838
Exons	1034..1514, 1614..1678, 1871..2198, 2301..2399, 2622..2882		
GI Descrip.	(AP000815) ESTs D47452(S12946),C23573(S10086),C19173(E10057), AU081294(E10057),AU032455(S10086) correspond to a region of the predicted gene.; Similar to PNIL34. (U37437) [Oryza sativa] gi\|6721522\|dbj\|BAA89564.1\| (AP001072) ESTs D47452(S12946),C23573(S10086),C19173(E10057), AU081294(E10057),AU032455(S10086) correspond to a region of the predicted gene.; Similar to PNIL3		

Seq. No.	16253	Seq. ID	OJ990617_02.9B01.C38
Gene No.	34272	Strand	+
Start	1001	End	3176
Name	OJ990617_02.9B01.C38.o1.gs	Method	GENSCAN
Start	1034	End	2885
GI	none	Score	.82
Exons	1034..1431, 1451..1514, 1614..1678, 1871..2198, 2301..2399, 2622..2885		

Seq. No.	16253	Seq. ID	OJ990617_02.9B01.C38
Gene No.	34272	Strand	+
Start	1001	End	3176
Name	OJ990617_02.9B01.C38.o1.tc	Method	TBLASTX:Cress
Start	1183	End	2887
GI	none	Score	108
Exons	1183..1380, 1202..1390, 1458..1547, 1611..1679, 1613..1678, 1869..1937, 1871..2188, 1872..2189, 2295..2417, 2300..2398, 2301..2399, 2619..2885, 2621..2881, 2637..2882, 2759..2887		

Seq. No.	16253	Seq. ID	OJ990617_02.9B01.C38
Gene No.	34272	Strand	+
Start	1001	End	3176
Name	OJ990617_02.9B01.C38.o2.ts	Method	TBLASTX:Soybean

Start	1202	End	1390
GI	none	Score	272
Exons	1202..1390		

Seq. No.	16253	Seq. ID	OJ990617_02.9B01.C38
Gene No.	34272	Strand	+
Start	1001	End	3176
Name	OJ990617_02.9B01.C38.o1.ts	Method	TBLASTX:Soybean
Start	1887	End	2891
GI	none	Score	540
Exons	1887..2189, 1889..2200, 1889..2188, 2295..2417, 2300..2398, 2582..2890, 2619..2891		

Seq. No.	16254	Seq. ID	OJ990617_02.9B01.C39
Gene No.	34273	Strand	-
Start	123	End	495
Name	OJ990617_02.9B01.C39.o1.gp	Method	AAT/GAP
Start	123	End	495
GI	none	Score	711
Exons	123..495		

Seq. No.	16255	Seq. ID	OJ990617_02.9B01.C40
Gene No.	34274	Strand	-
Start	1	End	632
Name	OJ990617_02.9B01.C40.o1.np	Method	AAT/NAP
Start	1	End	632
GI	6721517	Score	999
Exons	1..632		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	16255	Seq. ID	OJ990617_02.9B01.C40
Gene No.	34274	Strand	-
Start	1	End	632
Name	OJ990617_02.9B01.C40.o1.gs	Method	GENSCAN
Start	176	End	473
GI	none	Score	.7
Exons	176..473		

Seq. No.	16255	Seq. ID	OJ990617_02.9B01.C40
Gene No.	34274	Strand	-
Start	1	End	632
Name	OJ990617_02.9B01.C40.o1.tw	Method	TBLASTX:Wheat
Start	261	End	611
GI	none	Score	162
Exons	261..326, 312..611, 400..606		

Seq. No.	16255	Seq. ID	OJ990617_02.9B01.C40
Gene No.	34274	Strand	-
Start	1	End	632
Name	OJ990617_02.9B01.C40.o1.tm	Method	TBLASTX:Maize
Start	312	End	609
GI	none	Score	106
Exons	312..608, 324..605, 421..609		

Seq. No.	16256	Seq. ID	OJ990617_02.9B01.C44
Gene No.	34275	Strand	+
Start	644	End	737

Name	OJ990617_02.9B01.C44.o1.gs	Method	GENSCAN
Start	644	End	737
GI	none	Score	.61
Exons	644..737		

Seq. No.	16257	Seq. ID	OJ990617_02.9B01.C46
Gene No.	34276	Strand	
Start	317	End	686
Name	OJ990617_02.9B01.C46.o1.tm	Method	TBLASTX:Maize
Start	317	End	640
GI	none	Score	65
Exons	317..433, 449..490, 488..640,	546..638	

Seq. No.	16257	Seq. ID	OJ990617_02.9B01.C46
Gene No.	34276	Strand	
Start	317	End	686
Name	OJ990617_02.9B01.C46.o1.tw	Method	TBLASTX:Wheat
Start	350	End	686
GI	none	Score	76
Exons	350..643, 444..686		

Seq. No.	16258	Seq. ID	OJ990617_02.9B01.C47
Gene No.	34277	Strand	-
Start	146	End	283
Name	OJ990617_02.9B01.C47.o1.gs	Method	GENSCAN
Start	146	End	283
GI	none	Score	.61
Exons	146..283		

Seq. No.	16259	Seq. ID	OJ990617_02.9B01.C48
Gene No.	34278	Strand	+
Start	1	End	411
Name	OJ990617_02.9B01.C48.o1.np	Method	AAT/NAP
Start	1	End	411
GI	6649085	Score	190
Exons	1..411		
GI Descrip.	(AF146269) resistance gene analog PIC22 [Oryza sativa]		

Seq. No.	16259	Seq. ID	OJ990617_02.9B01.C48
Gene No.	34278	Strand	+
Start	1	End	411
Name	OJ990617_02.9B01.C48.o1.ts	Method	TBLASTX:Soybean
Start	150	End	369
GI	none	Score	143
Exons	150..275, 151..312, 313..369,	324..368	

Seq. No.	16259	Seq. ID	OJ990617_02.9B01.C48
Gene No.	34278	Strand	+
Start	1	End	411
Name	OJ990617_02.9B01.C48.o1.tm	Method	TBLASTX:Maize
Start	151	End	366
GI	none	Score	176
Exons	151..366, 156..365		

Seq. No.	16260	Seq. ID	OJ990617_02.9B01.C50
Gene No.	34279	Strand	+
Start	1	End	431

Name	OJ990617_02.9B01.C50.o1.np	Method	AAT/NAP
Start	1	End	431
GI	6721520	Score	487
Exons	1..128, 226..431		
GI Descrip.	(AP001072) EST AU029428(E30359) corresponds to a region of the predicted gene.; Similar to antifreeze-like protein (D86598) [Oryza sativa]		

Seq. No.	16260	Seq. ID	OJ990617_02.9B01.C50
Gene No.	34279	Strand	+
Start	1	End	431
Name	OJ990617_02.9B01.C50.o1.tm	Method	TBLASTX:Maize
Start	26	End	337
GI	none	Score	67
Exons	26..109, 59..106, 67..123, 223..336, 224..337		

Seq. No.	16260	Seq. ID	OJ990617_02.9B01.C50
Gene No.	34279	Strand	+
Start	1	End	431
Name	OJ990617_02.9B01.C50.o1.gs	Method	GENSCAN
Start	52	End	418
GI	none	Score	1
Exons	52..128, 226..418		

Seq. No.	16261	Seq. ID	OJ990617_02.9B01.C51
Gene No.	34280	Strand	+
Start	1	End	55
Name	OJ990617_02.9B01.C51.o1.gp	Method	AAT/GAP
Start	1	End	55
GI	none	Score	84
Exons	1..55		

Seq. No.	16261	Seq. ID	OJ990617_02.9B01.C51
Gene No.	34281	Strand	-
Start	192	End	792
Name	OJ990617_02.9B01.C51.o1.gs	Method	GENSCAN
Start	192	End	792
GI	none	Score	.46
Exons	192..281, 659..792		

Seq. No.	16262	Seq. ID	OJ990617_02.9B01.C52
Gene No.	34282	Strand	+
Start	42	End	1232
Name	OJ990617_02.9B01.C52.o1.np	Method	AAT/NAP
Start	42	End	1232
GI	6498419	Score	862
Exons	42..281, 485..831, 1205..1232		
GI Descrip.	(AP000815) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F22K18 (AL035356) [Oryza sativa] gi\|6721521\|dbj\|BAA89563.1\| (AP001072) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F22K18,putative protein. (AL035356) [Oryza sativa]		

Seq. No.	16262	Seq. ID	OJ990617_02.9B01.C52
Gene No.	34282	Strand	+
Start	42	End	1232
Name	OJ990617_02.9B01.C52.o1.gs	Method	GENSCAN

Start	93	End	814
GI	none	Score	.79
Exons	93..281, 485..814		

Seq. No.	16262	Seq. ID	OJ990617_02.9B01.C52
Gene No.	34282	Strand	+
Start	42	End	1232
Name	OJ990617_02.9B01.C52.o1.ts	Method	TBLASTX:Soybean
Start	93	End	819
GI	none	Score	88
Exons	93..209, 95..226, 473..556, 631..819, 632..814		

Seq. No.	16262	Seq. ID	OJ990617_02.9B01.C52
Gene No.	34282	Strand	+
Start	42	End	1232
Name	OJ990617_02.9B01.C52.o1.tm	Method	TBLASTX:Maize
Start	93	End	819
GI	none	Score	90
Exons	93..188, 95..184, 473..559, 478..552, 638..721, 641..814, 643..819		

Seq. No.	16262	Seq. ID	OJ990617_02.9B01.C52
Gene No.	34282	Strand	+
Start	42	End	1232
Name	OJ990617_02.9B01.C52.o1.tc	Method	TBLASTX:Cress
Start	96	End	814
GI	none	Score	93
Exons	96..188, 485..556, 626..814, 631..810, 644..814		

Seq. No.	16262	Seq. ID	OJ990617_02.9B01.C52
Gene No.	34282	Strand	+
Start	42	End	1232
Name	OJ990617_02.9B01.C52.o1.tw	Method	TBLASTX:Wheat
Start	473	End	808
GI	none	Score	100
Exons	473..553, 478..552, 641..808, 643..807		

Seq. No.	16263	Seq. ID	OJ990617_02.9B01.C54
Gene No.	34283	Strand	-
Start	1	End	862
Name	OJ990617_02.9B01.C54.o1.np	Method	AAT/NAP
Start	1	End	464
GI	6498421	Score	387
Exons	1..183, 277..464		
GI Descrip.	(AP000815) ESTs AU081256(C53656),AU081257(C53656), AU032236(R3784),AU081351(E61905),AU031587(E61905), AU081361(R3784) correspond to a region of the predicted gene.; Similar to alien-like protein. (ÄC005623) [Oryza sativa]		

Seq. No.	16263	Seq. ID	OJ990617_02.9B01.C54
Gene No.	34283	Strand	-
Start	1	End	862
Name	OJ990617_02.9B01.C54.o1.tm	Method	TBLASTX:Maize
Start	108	End	471
GI	none	Score	85
Exons	108..182, 109..183, 112..183, 113..184, 114..188, 274..471, 275..466, 276..470		

Seq. No.	16263	Seq. ID	OJ990617_02.9B01.C54
Gene No.	34283	Strand	-
Start	1	End	862
Name	OJ990617_02.9B01.C54.o1.gp	Method	AAT/GAP
Start	112	End	862
GI	18421_1.R1084	Score	665
Exons	112..469, 835..862		
GI Descrip.	'3885329 1.0e-116 (AC005623) alien-like protein [Arabidopsis thaliana]'		

Seq. No.	16263	Seq. ID	OJ990617_02.9B01.C54
Gene No.	34283	Strand	-
Start	1	End	862
Name	OJ990617_02.9B01.C54.o1.gs	Method	GENSCAN
Start	115	End	410
GI	none	Score	.71
Exons	115..183, 277..410		

Seq. No.	16263	Seq. ID	OJ990617_02.9B01.C54
Gene No.	34283	Strand	-
Start	1	End	862
Name	OJ990617_02.9B01.C54.o1.ts	Method	TBLASTX:Soybean
Start	251	End	470
GI	none	Score	91
Exons	251..463, 252..470, 269..409, 274..453		

Seq. No.	16263	Seq. ID	OJ990617_02.9B01.C54
Gene No.	34283	Strand	-
Start	1	End	862
Name	OJ990617_02.9B01.C54.o1.tc	Method	TBLASTX:Cress
Start	288	End	471
GI	none	Score	140
Exons	288..470, 300..470, 301..471		

Seq. No.	16264	Seq. ID	OJ990617_02.9B01.C55
Gene No.	34284	Strand	+
Start	439	End	748
Name	OJ990617_02.9B01.C55.o1.gs	Method	GENSCAN
Start	439	End	748
GI	none	Score	.48
Exons	439..520, 722..748		

Seq. No.	16265	Seq. ID	OJ990617_02.9B01.C56
Gene No.	34285	Strand	-
Start	70	End	104
Name	OJ990617_02.9B01.C56.o1.gs	Method	GENSCAN
Start	70	End	104
GI	none	Score	.99
Exons	70..104		

Seq. No.	16266	Seq. ID	OJ990617_02.9B01.C57
Gene No.	34286	Strand	+
Start	160	End	1349
Name	OJ990617_02.9B01.C57.o1.np	Method	AAT/NAP
Start	160	End	1349
GI	6721515	Score	1342

Exons	160..409, 572..839, 1070..1349		
GI Descrip.	(AP001072) Similar to mudrA. (M76978) [Oryza sativa]		
Seq. No.	16266	Seq. ID	OJ990617_02.9B01.C57
Gene No.	34286	Strand	+
Start	160	End	1349
Name	OJ990617_02.9B01.C57.o2.tm	Method	TBLASTX:Maize
Start	196	End	422
GI	none	Score	183
Exons	196..339, 205..414, 207..422		
Seq. No.	16266	Seq. ID	OJ990617_02.9B01.C57
Gene No.	34286	Strand	+
Start	160	End	1349
Name	OJ990617_02.9B01.C57.o1.gs	Method	GENSCAN
Start	304	End	1086
GI	none	Score	.65
Exons	304..376, 572..751, 929..1086		
Seq. No.	16266	Seq. ID	OJ990617_02.9B01.C57
Gene No.	34286	Strand	+
Start	160	End	1349
Name	OJ990617_02.9B01.C57.o1.tm	Method	TBLASTX:Maize
Start	577	End	939
GI	none	Score	233
Exons	577..873, 666..764, 859..924, 873..938, 874..939		
Seq. No.	16267	Seq. ID	OJ990617_02.9B01.C59
Gene No.	34287	Strand	+
Start	177	End	257
Name	OJ990617_02.9B01.C59.o1.gs	Method	GENSCAN
Start	177	End	257
GI	none	Score	.63
Exons	177..257		
Seq. No.	16267	Seq. ID	OJ990617_02.9B01.C59
Gene No.	34288	Strand	-
Start	1	End	366
Name	OJ990617_02.9B01.C59.o1.np	Method	AAT/NAP
Start	1	End	366
GI	6498419	Score	100
Exons	1..35, 220..366		
GI Descrip.	(AP000815) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F22K18 (AL035356) [Oryza sativa] gi\|6721521\|dbj\|BAA89563.1\| (AP001072) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F22K18,putative protein. (AL035356) [Oryza sativa]		
Seq. No.	16267	Seq. ID	OJ990617_02.9B01.C59
Gene No.	34288	Strand	-
Start	1	End	366
Name	OJ990617_02.9B01.C59.o1.gp	Method	AAT/GAP
Start	224	End	306
GI	LIB3433-019-P1-K1-F6	Score	119
Exons	224..306		
GI Descrip.	'3402718 9.0e-16 (AC004261) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	16268	Seq. ID	OJ990617_02.9B01.C61
Gene No.	34289	Strand	+
Start	110	End	670
Name	OJ990617_02.9B01.C61.o1.gs	Method	GENSCAN
Start	110	End	670
GI	none	Score	.58
Exons	110..297, 338..670		

Seq. No.	16268	Seq. ID	OJ990617_02.9B01.C61
Gene No.	34290	Strand	-
Start	1	End	909
Name	OJ990617_02.9B01.C61.o1.np	Method	AAT/NAP
Start	1	End	909
GI	6721516	Score	510
Exons	1..284, 365..493, 836..909		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	16269	Seq. ID	OJ990617_02.9B01.C62
Gene No.	34291	Strand	+
Start	1	End	1446
Name	OJ990617_02.9B01.C62.o1.np	Method	AAT/NAP
Start	1	End	1441
GI	122772	Score	520
Exons	1..76, 811..888, 970..1021, 1170..1441		
GI Descrip.	TRANSCRIPTION FACTOR HBP-1B gi\|100809\|pir\|\|S15347 transcription factor HBP-1b - wheat gi\|21635\|emb\|CAA40102\| (X56782) HBP-1b [Triticum aestivum]		

Seq. No.	16269	Seq. ID	OJ990617_02.9B01.C62
Gene No.	34291	Strand	+
Start	1	End	1446
Name	OJ990617_02.9B01.C62.o1.gs	Method	GENSCAN
Start	340	End	1441
GI	none	Score	.86
Exons	340..403, 1170..1441		

Seq. No.	16269	Seq. ID	OJ990617_02.9B01.C62
Gene No.	34291	Strand	+
Start	1	End	1446
Name	OJ990617_02.9B01.C62.o1.tm	Method	TBLASTX:Maize
Start	796	End	1444
GI	none	Score	110
Exons	796..849, 800..889, 809..889, 943..1020, 966..1022, 967..1023, 969..1028, 1169..1444, 1169..1441		

Seq. No.	16269	Seq. ID	OJ990617_02.9B01.C62
Gene No.	34291	Strand	+
Start	1	End	1446
Name	OJ990617_02.9B01.C62.o1.tc	Method	TBLASTX:Cress
Start	811	End	1446
GI	none	Score	67
Exons	811..852, 967..1023, 1168..1446, 1169..1444		

Seq. No.	16269	Seq. ID	OJ990617_02.9B01.C62
Gene No.	34291	Strand	+
Start	1	End	1446

Name	OJ990617_02.9B01.C62.o1.ts	Method	TBLASTX:Soybean
Start	811	End	1446
GI	none	Score	62
Exons	811..852, 966..1022, 967..1023, 1168..1446, 1169..1444		

Seq. No.	16269	Seq. ID	OJ990617_02.9B01.C62
Gene No.	34291	Strand	+
Start	1	End	1446
Name	OJ990617_02.9B01.C62.o1.tw	Method	TBLASTX:Wheat
Start	811	End	1423
GI	none	Score	54
Exons	811..849, 815..928, 966..1022, 967..1023, 1168..1413, 1169..1420, 1181..1423		

Seq. No.	16270	Seq. ID	OJ990617_02.9B01.C64
Gene No.	34292	Strand	+
Start	443	End	475
Name	OJ990617_02.9B01.C64.o1.gs	Method	GENSCAN
Start	443	End	475
GI	none	Score	.51
Exons	443..475		

Seq. No.	16271	Seq. ID	OJ990617_02.9B01.C65
Gene No.	34293	Strand	+
Start	782	End	2497
Name	OJ990617_02.9B01.C65.o1.np	Method	AAT/NAP
Start	782	End	2497
GI	6498434	Score	425
Exons	782..931, 2335..2497		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	16272	Seq. ID	OJ990617_02.9B01.C66
Gene No.	34294	Strand	-
Start	888	End	999
Name	OJ990617_02.9B01.C66.o1.gs	Method	GENSCAN
Start	888	End	999
GI	none	Score	.62
Exons	888..999		

Seq. No.	16273	Seq. ID	OJ990617_02.9B01.C67
Gene No.	34295	Strand	-
Start	38	End	2496
Name	OJ990617_02.9B01.C67.o1.np	Method	AAT/NAP
Start	38	End	2496
GI	6498434	Score	766
Exons	38..124, 1837..2102, 2362..2496		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	16274	Seq. ID	OJ990617_02.9B01.C68
Gene No.	34296	Strand	+
Start	2007	End	2131
Name	OJ990617_02.9B01.C68.o1.gp	Method	AAT/GAP
Start	2007	End	2131
GI	uC-osroM202032e07b1	Score	215
Exons	2007..2131		
GI Descrip.	'5042437/gb\|AC007789.1\|AC007789 4.0e-14 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	16274	Seq. ID	OJ990617_02.9B01.C68
Gene No.	34297	Strand	-
Start	1	End	2355
Name	OJ990617_02.9B01.C68.o1.np	Method	AAT/NAP
Start	1	End	2355
GI	5295955	Score	85
Exons	1..62, 723..856, 2297..2355		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	16274	Seq. ID	OJ990617_02.9B01.C68
Gene No.	34297	Strand	-
Start	1	End	2355
Name	OJ990617_02.9B01.C68.o2.np	Method	AAT/NAP
Start	374	End	2355
GI	6498434	Score	238
Exons	374..461, 1928..2096, 2303..2355		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	16275	Seq. ID	OJ990617_02.9B01.C69
Gene No.	34298	Strand	+
Start	1	End	2107
Name	OJ990617_02.9B01.C69.o1.np	Method	AAT/NAP
Start	1	End	2107
GI	2852640	Score	136
Exons	1..24, 652..906, 2066..2107		
GI Descrip.	(AF007157) unknown [Homo sapiens]		

Seq. No.	16275	Seq. ID	OJ990617_02.9B01.C69
Gene No.	34298	Strand	+
Start	1	End	2107
Name	OJ990617_02.9B01.C69.o1.gp	Method	AAT/GAP
Start	279	End	625
GI	uC-osroM202032e07b1	Score	668
Exons	279..625		
GI Descrip.	'5042437/gb\|AC007789.1\|AC007789 4.0e-14 Oryza sativa BAC T49B20 genomic sequence, complete sequence'		

Seq. No.	16275	Seq. ID	OJ990617_02.9B01.C69
Gene No.	34298	Strand	+
Start	1	End	2107
Name	OJ990617_02.9B01.C69.o1.gs	Method	GENSCAN
Start	289	End	1623
GI	none	Score	.59
Exons	289..867, 1445..1623		

Seq. No.	16275	Seq. ID	OJ990617_02.9B01.C69
Gene No.	34299	Strand	-
Start	1430	End	2107
Name	OJ990617_02.9B01.C69.o1.tm	Method	TBLASTX:Maize
Start	267	End	870
GI	none	Score	85
Exons	267..329, 280..330, 280..330, 281..331, 367..435, 368..433, 433..831, 439..870, 473..868		

Seq. No.	16275	Seq. ID	OJ990617_02.9B01.C69

Gene No.	34299	Strand	-
Start	1430	End	2107
Name	OJ990617_02.9B01.C69.o1.ts	Method	TBLASTX:Soybean
Start	571	End	883
GI	none	Score	66
Exons	571..651, 574..639, 640..870,	640..831, 645..869, 650..883	

Seq. No.	16275	Seq. ID	OJ990617_02.9B01.C69
Gene No.	34299	Strand	-
Start	1430	End	2107
Name	OJ990617_02.9B01.C69.o1.tw	Method	TBLASTX:Wheat
Start	648	End	855
GI	none	Score	233
Exons	648..806, 649..855		

Seq. No.	16275	Seq. ID	OJ990617_02.9B01.C69
Gene No.	34299	Strand	-
Start	1430	End	2107
Name	OJ990617_02.9B01.C69.o2.np	Method	AAT/NAP
Start	1430	End	2107
GI	6498434	Score	163
Exons	1430..1555, 2075..2107		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	16276	Seq. ID	OJ990617_02.9B01.C70
Gene No.	34300	Strand	-
Start	670	End	788
Name	OJ990617_02.9B01.C70.o1.tm	Method	TBLASTX:Maize
Start	462	End	656
GI	none	Score	301
Exons	462..656, 472..648		

Seq. No.	16276	Seq. ID	OJ990617_02.9B01.C70
Gene No.	34300	Strand	-
Start	670	End	788
Name	OJ990617_02.9B01.C70.o1.ts	Method	TBLASTX:Soybean
Start	462	End	648
GI	none	Score	91
Exons	462..644, 470..646, 472..648		

Seq. No.	16276	Seq. ID	OJ990617_02.9B01.C70
Gene No.	34300	Strand	-
Start	670	End	788
Name	OJ990617_02.9B01.C70.o1.gs	Method	GENSCAN
Start	670	End	788
GI	none	Score	.61
Exons	670..788		

Seq. No.	16277	Seq. ID	OJ990617_02.9B01.C71
Gene No.	34301	Strand	-
Start	1	End	1179
Name	OJ990617_02.9B01.C71.o1.np	Method	AAT/NAP
Start	1	End	1179
GI	6498434	Score	767
Exons	1..79, 231..607, 758..912, 1122..1179		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	16277	Seq. ID	OJ990617_02.9B01.C71
Gene No.	34301	Strand	-
Start	1	End	1179
Name	OJ990617_02.9B01.C71.o1.gs	Method	GENSCAN
Start	241	End	885
GI	none	Score	.6
Exons	241..607, 758..885		

Seq. No.	16278	Seq. ID	OJ990617_02.9B01.C73
Gene No.	34302	Strand	+
Start	247	End	313
Name	OJ990617_02.9B01.C73.o1.gs	Method	GENSCAN
Start	247	End	313
GI	none	Score	.85
Exons	247..313		

Seq. No.	16278	Seq. ID	OJ990617_02.9B01.C73
Gene No.	34303	Strand	-
Start	1	End	1259
Name	OJ990617_02.9B01.C73.o1.np	Method	AAT/NAP
Start	1	End	1259
GI	6721516	Score	70
Exons	1..47, 269..390, 1204..1259		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	16279	Seq. ID	OJ990617_02.9B01.C74
Gene No.	34304	Strand	+
Start	536	End	573
Name	OJ990617_02.9B01.C74.o1.gs	Method	GENSCAN
Start	536	End	573
GI	none	Score	.68
Exons	536..573		

Seq. No.	16279	Seq. ID	OJ990617_02.9B01.C74
Gene No.	34305	Strand	-
Start	478	End	597
Name	OJ990617_02.9B01.C74.o1.np	Method	AAT/NAP
Start	478	End	597
GI	6498426	Score	112
Exons	478..597		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	16280	Seq. ID	OJ990617_02.9B01.C76
Gene No.	34306	Strand	+
Start	204	End	607
Name	OJ990617_02.9B01.C76.o1.np	Method	AAT/NAP
Start	204	End	607
GI	6498419	Score	303
Exons	204..254, 432..607		
GI Descrip.	(AP000815) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F22K18 (AL035356) [Oryza sativa] gi\|6721521\|dbj\|BAA89563.1\| (AP001072) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F22K18,putative protein. (AL035356) [Oryza sativa]		

Seq. No.	16280	Seq. ID	OJ990617_02.9B01.C76
Gene No.	34307	Strand	-

Start	65	End	296
Name	OJ990617_02.9B01.C76.o1.gs	Method	GENSCAN
Start	65	End	296
GI	none	Score	.52
Exons	65..135, 259..296		

Seq. No.	16281	Seq. ID	OJ990617_02.9B01.C77
Gene No.	34308	Strand	+
Start	543	End	1644
Name	OJ990617_02.9B01.C77.o1.tm	Method	TBLASTX:Maize
Start	542	End	1338
GI	none	Score	201
Exons	542..775, 543..776, 1204..1338		

Seq. No.	16281	Seq. ID	OJ990617_02.9B01.C77
Gene No.	34308	Strand	+
Start	543	End	1644
Name	OJ990617_02.9B01.C77.o1.ts	Method	TBLASTX:Soybean
Start	542	End	1395
GI	none	Score	206
Exons	542..769, 543..776, 1204..1395		

Seq. No.	16281	Seq. ID	OJ990617_02.9B01.C77
Gene No.	34308	Strand	+
Start	543	End	1644
Name	OJ990617_02.9B01.C77.o1.gs	Method	GENSCAN
Start	543	End	1614
GI	none	Score	.94
Exons	543..776, 1207..1614		

Seq. No.	16281	Seq. ID	OJ990617_02.9B01.C77
Gene No.	34308	Strand	+
Start	543	End	1644
Name	OJ990617_02.9B01.C77.o1.np	Method	AAT/NAP
Start	543	End	1644
GI	6498419	Score	1139
Exons	543..776, 1207..1644		
GI Descrip.	(AP000815) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F22K18 (AL035356) [Oryza sativa] gi\|6721521\|dbj\|BAA89563.1\| (AP001072) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F22K18,putative protein. (AL035356) [Oryza sativa]		

Seq. No.	16281	Seq. ID	OJ990617_02.9B01.C77
Gene No.	34308	Strand	+
Start	543	End	1644
Name	OJ990617_02.9B01.C77.o1.tc	Method	TBLASTX:Cress
Start	543	End	1350
GI	none	Score	189
Exons	543..776, 545..775, 1204..1350		

Seq. No.	16281	Seq. ID	OJ990617_02.9B01.C77
Gene No.	34308	Strand	+
Start	543	End	1644
Name	OJ990617_02.9B01.C77.o1.gp	Method	AAT/GAP
Start	644	End	1524
GI	LIB3433-019-P1-K1-F6	Score	865

Exons	644..776, 1207..1524		
GI Descrip.	'3402718 9.0e-16 (AC004261) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	16282	Seq. ID	OJ990617_02.9B01.C78
Gene No.	34309	Strand	-
Start	545	End	634
Name	OJ990617_02.9B01.C78.o1.gs	Method	GENSCAN
Start	545	End	634
GI	none	Score	.97
Exons	545..634		

Seq. No.	16282	Seq. ID	OJ990617_02.9B01.C78
Gene No.	34310	Strand	-
Start	548	End	634
Name	OJ990617_02.9B01.C78.o1.np	Method	AAT/NAP
Start	548	End	634
GI	6498434	Score	124
Exons	548..634		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	16283	Seq. ID	OJ990617_02.9B01.C81
Gene No.	34311	Strand	+
Start	1	End	713
Name	OJ990617_02.9B01.C81.o1.np	Method	AAT/NAP
Start	1	End	713
GI	6498423	Score	184
Exons	1..44, 552..713		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	16283	Seq. ID	OJ990617_02.9B01.C81
Gene No.	34311	Strand	+
Start	1	End	713
Name	OJ990617_02.9B01.C81.o1.gs	Method	GENSCAN
Start	613	End	712
GI	none	Score	.98
Exons	613..712		

Seq. No.	16284	Seq. ID	OJ990617_02.9B01.C85
Gene No.	34312	Strand	-
Start	1	End	707
Name	OJ990617_02.9B01.C85.o1.np	Method	AAT/NAP
Start	1	End	694
GI	6630695	Score	297
Exons	1..152, 279..332, 416..518, 603..694		
GI Descrip.	(AP000969) ESTs C97915(C0113), C26087(C11614) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	16284	Seq. ID	OJ990617_02.9B01.C85
Gene No.	34312	Strand	-
Start	1	End	707
Name	OJ990617_02.9B01.C85.o1.tm	Method	TBLASTX:Maize
Start	79	End	707
GI	none	Score	55
Exons	79..153, 90..152, 276..338, 368..517, 416..526, 602..706, 621..707		

Seq. No.	16284	Seq. ID	OJ990617_02.9B01.C85
Gene No.	34312	Strand	-
Start	1	End	707
Name	OJ990617_02.9B01.C85.o1.gs	Method	GENSCAN
Start	90	End	518
GI	none	Score	.92
Exons	90..152, 279..332, 416..518		

Seq. No.	16284	Seq. ID	OJ990617_02.9B01.C85
Gene No.	34312	Strand	-
Start	1	End	707
Name	OJ990617_02.9B01.C85.o1.ts	Method	TBLASTX:Soybean
Start	90	End	706
GI	none	Score	56
Exons	90..152, 274..339, 276..338, 369..509, 410..571, 416..526, 602..706		

Seq. No.	16285	Seq. ID	OJ990617_02.9B01.C86
Gene No.	34313	Strand	+
Start	1	End	215
Name	OJ990617_02.9B01.C86.o1.np	Method	AAT/NAP
Start	1	End	212
GI	6498427	Score	191
Exons	1..212		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	16285	Seq. ID	OJ990617_02.9B01.C86
Gene No.	34313	Strand	+
Start	1	End	215
Name	OJ990617_02.9B01.C86.o1.gs	Method	GENSCAN
Start	100	End	215
GI	none	Score	.92
Exons	100..215		

Seq. No.	16285	Seq. ID	OJ990617_02.9B01.C86
Gene No.	34314	Strand	+
Start	1042	End	1849
Name	OJ990617_02.9B01.C86.o2.gs	Method	GENSCAN
Start	1042	End	1809
GI	none	Score	.95
Exons	1042..1452, 1702..1809		

Seq. No.	16285	Seq. ID	OJ990617_02.9B01.C86
Gene No.	34314	Strand	+
Start	1042	End	1849
Name	OJ990617_02.9B01.C86.o2.np	Method	AAT/NAP
Start	1042	End	1849
GI	6498428	Score	868
Exons	1042..1452, 1702..1849		
GI Descrip.	(AP000815) Similar to Arabidopsis thaliana chromosome II BAC T27A16 sequence; hypothetical protein. (AC005496) [Oryza sativa]		

Seq. No.	16285	Seq. ID	OJ990617_02.9B01.C86
Gene No.	34314	Strand	+
Start	1042	End	1849
Name	OJ990617_02.9B01.C86.o1.tm	Method	TBLASTX:Maize

Start	1386	End	1812
GI	none	Score	112
Exons	1386..1460, 1387..1461, 1680..1808, 1686..1805, 1690..1812		

Seq. No.	16286	Seq. ID	OJ990617_02.9B01.C87
Gene No.	34315	Strand	+
Start	1	End	1569
Name	OJ990617_02.9B01.C87.o1.gp	Method	AAT/GAP
Start	1	End	426
GI	6515_1.R1084	Score	461
Exons	1..56, 167..310, 367..426		
GI Descrip.	'3582333 7.0e-92 (AC005496) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	16286	Seq. ID	OJ990617_02.9B01.C87
Gene No.	34315	Strand	+
Start	1	End	1569
Name	OJ990617_02.9B01.C87.o1.np	Method	AAT/NAP
Start	1	End	1569
GI	6498428	Score	1098
Exons	1..56, 167..310, 367..432, 509..646, 863..964, 1126..1191, 1295..1379, 1475..1569		
GI Descrip.	(AP000815) Similar to Arabidopsis thaliana chromosome II BAC T27A16 sequence; hypothetical protein. (AC005496) [Oryza sativa]		

Seq. No.	16286	Seq. ID	OJ990617_02.9B01.C87
Gene No.	34315	Strand	+
Start	1	End	1569
Name	OJ990617_02.9B01.C87.o1.gs	Method	GENSCAN
Start	566	End	1209
GI	none	Score	.84
Exons	566..646, 863..964, 1126..1209		

Seq. No.	16286	Seq. ID	OJ990617_02.9B01.C87
Gene No.	34316	Strand	-
Start	1513	End	2081
Name	OJ990617_02.9B01.C87.o2.gp	Method	AAT/GAP
Start	1513	End	2081
GI	none	Score	1070
Exons	1513..2081		

Seq. No.	16286	Seq. ID	OJ990617_02.9B01.C87
Gene No.	34317	Strand	-
Start	2637	End	3861
Name	OJ990617_02.9B01.C87.o1.tm	Method	TBLASTX:Maize
Start	2	End	583
GI	none	Score	59
Exons	2..61, 2..55, 3..62, 160..330, 163..330, 164..331, 165..332, 358..432, 358..432, 499..582, 506..583, 511..582		

Seq. No.	16286	Seq. ID	OJ990617_02.9B01.C87
Gene No.	34317	Strand	-
Start	2637	End	3861
Name	OJ990617_02.9B01.C87.o2.tc	Method	TBLASTX:Cress
Start	160	End	649
GI	none	Score	209
Exons	160..330, 164..331, 357..425, 358..435, 370..435, 499..627,		

500..622, 506..649, 508..642

Seq. No.	16286	Seq. ID	OJ990617_02.9B01.C87
Gene No.	34317	Strand	-
Start	2637	End	3861
Name	OJ990617_02.9B01.C87.o1.ts	Method	TBLASTX:Soybean
Start	206	End	1584
GI	none	Score	61
Exons	206..286, 254..331, 280..330, 355..432, 357..434, 358..435, 366..437, 506..526, 511..642, 524..655, 527..649, 528..650, 860..964, 862..960, 1122..1187, 1122..1187, 1123..1197, 1284..1379, 1294..1383, 1295..1381, 1462..1584, 1473..1568		

Seq. No.	16286	Seq. ID	OJ990617_02.9B01.C87
Gene No.	34317	Strand	-
Start	2637	End	3861
Name	OJ990617_02.9B01.C87.o1.tc	Method	TBLASTX:Cress
Start	874	End	1572
GI	none	Score	132
Exons	874..960, 881..964, 896..964, 1095..1190, 1100..1192, 1123..1191, 1294..1383, 1295..1381, 1462..1572, 1473..1568		

Seq. No.	16286	Seq. ID	OJ990617_02.9B01.C87
Gene No.	34317	Strand	-
Start	2637	End	3861
Name	OJ990617_02.9B01.C87.o2.tm	Method	TBLASTX:Maize
Start	881	End	1692
GI	none	Score	113
Exons	881..964, 883..960, 1122..1184, 1123..1191, 1294..1383, 1295..1450, 1458..1592, 1462..1692, 1473..1568, 1607..1651, 1656..1688		

Seq. No.	16286	Seq. ID	OJ990617_02.9B01.C87
Gene No.	34317	Strand	-
Start	2637	End	3861
Name	OJ990617_02.9B01.C87.o3.gp	Method	AAT/GAP
Start	2377	End	3821
GI	22376_1.R1084	Score	1125
Exons	2377..2706, 3249..3320, 3416..3487, 3678..3821		
GI Descrip.	'1619300/emb\|CAA64565\| 3.0e-86 (X95269) LRR protein [Lycopersicon esculentum]'		

Seq. No.	16286	Seq. ID	OJ990617_02.9B01.C87
Gene No.	34317	Strand	-
Start	2637	End	3861
Name	OJ990617_02.9B01.C87.o2.gs	Method	GENSCAN
Start	2637	End	3487
GI	none	Score	.68
Exons	2637..2706, 3416..3487		

Seq. No.	16286	Seq. ID	OJ990617_02.9B01.C87
Gene No.	34317	Strand	-
Start	2637	End	3861
Name	OJ990617_02.9B01.C87.o2.ts	Method	TBLASTX:Soybean
Start	2638	End	3821
GI	none	Score	70
Exons	2638..2709, 2640..2714, 3243..3338, 3251..3340, 3385..3492,		

3404..3463, 3669..3821, 3678..3797, 3698..3820, 3701..3820, 3701..3820, 3704..3820, 3713..3817

Seq. No.	16286	Seq. ID	OJ990617_02.9B01.C87
Gene No.	34317	Strand	-
Start	2637	End	3861
Name	OJ990617_02.9B01.C87.o2.np	Method	AAT/NAP
Start	2640	End	3861
GI	6498429	Score	522
Exons	2640..2706, 3249..3320, 3416..3487, 3678..3861		
GI Descrip.	(AP000815) ESTs C97644(C60871),AU081265(C60871) correspond to a region of the predicted gene.; Similar to L.esculentum LRP gene. (X95269) [Oryza sativa]		

Seq. No.	16287	Seq. ID	OJ990617_02.9B01.C88
Gene No.	34318	Strand	-
Start	92	End	2853
Name	OJ990617_02.9B01.C88.o1.np	Method	AAT/NAP
Start	92	End	2853
GI	6498429	Score	489
Exons	92..145, 263..347, 443..514, 705..848, 1711..1782, 2831..2853		
GI Descrip.	(AP000815) ESTs C97644(C60871),AU081265(C60871) correspond to a region of the predicted gene.; Similar to L.esculentum LRP gene. (X95269) [Oryza sativa]		

Seq. No.	16287	Seq. ID	OJ990617_02.9B01.C88
Gene No.	34318	Strand	-
Start	92	End	2853
Name	OJ990617_02.9B01.C88.o1.gp	Method	AAT/GAP
Start	260	End	1782
GI	22376_1.R1084	Score	616
Exons	260..347, 443..514, 705..848, 1711..1782		
GI Descrip.	'1619300/emb\|CAA64565\| 3.0e-86 (X95269) LRR protein [Lycopersicon esculentum]'		

Seq. No.	16287	Seq. ID	OJ990617_02.9B01.C88
Gene No.	34318	Strand	-
Start	92	End	2853
Name	OJ990617_02.9B01.C88.o1.tm	Method	TBLASTX:Maize
Start	270	End	1809
GI	none	Score	104
Exons	270..365, 272..367, 412..519, 453..515, 696..848, 703..852, 704..853, 725..853, 728..832, 731..847, 732..848, 1710..1802, 1711..1809		

Seq. No.	16287	Seq. ID	OJ990617_02.9B01.C88
Gene No.	34318	Strand	-
Start	92	End	2853
Name	OJ990617_02.9B01.C88.o1.ts	Method	TBLASTX:Soybean
Start	270	End	1802
GI	none	Score	100
Exons	270..365, 278..367, 412..519, 696..848, 705..824, 725..853, 728..847, 728..847, 731..847, 740..853, 745..909, 746..853, 1710..1802, 1711..1800		

Seq. No.	16288	Seq. ID	OJ990617_02.9B01.C89
Gene No.	34319	Strand	+

Start	125	End	1863
Name	OJ990617_02.9B01.C89.o1.gs	Method	GENSCAN
Start	125	End	1863
GI	none	Score	.95
Exons	125..154, 964..1030, 1577..1863		

Seq. No.	16289	Seq. ID	OJ990617_02.9B01.C90
Gene No.	34320	Strand	+
Start	303	End	521
Name	OJ990617_02.9B01.C90.o1.gs	Method	GENSCAN
Start	303	End	521
GI	none	Score	.56
Exons	303..521		

Seq. No.	16289	Seq. ID	OJ990617_02.9B01.C90
Gene No.	34320	Strand	+
Start	303	End	521
Name	OJ990617_02.9B01.C90.o1.np	Method	AAT/NAP
Start	303	End	518
GI	6498430	Score	363
Exons	303..518		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	16289	Seq. ID	OJ990617_02.9B01.C90
Gene No.	34321	Strand	-
Start	1764	End	1980
Name	OJ990617_02.9B01.C90.o2.gs	Method	GENSCAN
Start	1764	End	1980
GI	none	Score	.99
Exons	1764..1980		

Seq. No.	16290	Seq. ID	OJ990617_02.9B01.C91
Gene No.	34322	Strand	+
Start	77	End	395
Name	OJ990617_02.9B01.C91.o1.gs	Method	GENSCAN
Start	77	End	395
GI	none	Score	.86
Exons	77..139, 339..395		

Seq. No.	16290	Seq. ID	OJ990617_02.9B01.C91
Gene No.	34323	Strand	-
Start	1262	End	1715
Name	OJ990617_02.9B01.C91.o1.np	Method	AAT/NAP
Start	1262	End	1715
GI	6498431	Score	760
Exons	1262..1715		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	16290	Seq. ID	OJ990617_02.9B01.C91
Gene No.	34324	Strand	-
Start	1901	End	3162
Name	OJ990617_02.9B01.C91.o2.np	Method	AAT/NAP
Start	1901	End	3162
GI	6815099	Score	76
Exons	1901..2033, 3130..3162		
GI Descrip.	(AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	16291	Seq. ID	OJ990617_02.9B01.C92
Gene No.	34325	Strand	+
Start	686	End	1555
Name	OJ990617_02.9B01.C92.o1.np	Method	AAT/NAP
Start	686	End	1555
GI	1232130	Score	83
Exons	686..736, 1172..1255, 1336..1403, 1509..1555		
GI Descrip.	(D30809) transcription factor HBP-1b(c38) [Triticum aestivum]		

Seq. No.	16291	Seq. ID	OJ990617_02.9B01.C92
Gene No.	34325	Strand	+
Start	686	End	1555
Name	OJ990617_02.9B01.C92.o1.gs	Method	GENSCAN
Start	1181	End	1395
GI	none	Score	.83
Exons	1181..1255, 1336..1395		

Seq. No.	16292	Seq. ID	OJ990617_02.9B01.C93
Gene No.	34326	Strand	+
Start	922	End	1236
Name	OJ990617_02.9B01.C93.o1.np	Method	AAT/NAP
Start	922	End	1236
GI	6498432	Score	93
Exons	922..1001, 1179..1236		
GI Descrip.	(AP000815) Similar to Transcription factor HBP-1B. (P23923) [Oryza sativa]		

Seq. No.	16293	Seq. ID	OJ990617_02.9B01.C94
Gene No.	34327	Strand	+
Start	1	End	645
Name	OJ990617_02.9B01.C94.o1.np	Method	AAT/NAP
Start	1	End	645
GI	6498434	Score	128
Exons	1..84, 559..645		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	16293	Seq. ID	OJ990617_02.9B01.C94
Gene No.	34328	Strand	+
Start	559	End	648
Name	OJ990617_02.9B01.C94.o1.gs	Method	GENSCAN
Start	559	End	648
GI	none	Score	.97
Exons	559..648		

Seq. No.	16293	Seq. ID	OJ990617_02.9B01.C94
Gene No.	34329	Strand	-
Start	956	End	1231
Name	OJ990617_02.9B01.C94.o2.gs	Method	GENSCAN
Start	956	End	1231
GI	none	Score	.99
Exons	956..1231		

Seq. No.	16294	Seq. ID	OJ990617_02.9B01.C95
Gene No.	34330	Strand	+
Start	202	End	2586
Name	OJ990617_02.9B01.C95.o1.gs	Method	GENSCAN
Start	202	End	2586

GI	none	Score	.57
Exons	202..399, 1777..1816, 1883..1915, 1943..2586		

Seq. No.	16294	Seq. ID	OJ990617_02.9B01.C95
Gene No.	34330	Strand	+
Start	202	End	2586
Name	OJ990617_02.9B01.C95.o1.np	Method	AAT/NAP
Start	1864	End	2583
GI	6498435	Score	1309
Exons	1864..2583		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	16294	Seq. ID	OJ990617_02.9B01.C95
Gene No.	34330	Strand	+
Start	202	End	2586
Name	OJ990617_02.9B01.C95.o1.tm	Method	TBLASTX:Maize
Start	2374	End	2565
GI	none	Score	57
Exons	2374..2415, 2461..2565, 2469..2546		

Seq. No.	16295	Seq. ID	OJ990617_02.9B01.C96
Gene No.	34331	Strand	-
Start	1	End	731
Name	OJ990617_02.9B01.C96.o1.np	Method	AAT/NAP
Start	1	End	701
GI	3894317	Score	108
Exons	1..18, 230..390, 494..701		
GI Descrip.	(AB019243) Dihydrofravonol 4-reductase [Ipomoea batatas]		

Seq. No.	16295	Seq. ID	OJ990617_02.9B01.C96
Gene No.	34331	Strand	-
Start	1	End	731
Name	OJ990617_02.9B01.C96.o1.gs	Method	GENSCAN
Start	231	End	701
GI	none	Score	.88
Exons	231..390, 483..701		

Seq. No.	16295	Seq. ID	OJ990617_02.9B01.C96
Gene No.	34331	Strand	-
Start	1	End	731
Name	OJ990617_02.9B01.C96.o1.tm	Method	TBLASTX:Maize
Start	561	End	731
GI	none	Score	161
Exons	561..704, 562..702, 564..731		

Seq. No.	16296	Seq. ID	OJ990617_02.9B01.C97
Gene No.	34332	Strand	-
Start	1	End	768
Name	OJ990617_02.9B01.C97.o1.np	Method	AAT/NAP
Start	1	End	768
GI	6498438	Score	647
Exons	1..64, 211..571, 632..768		
GI Descrip.	(AP000815) EST C93513(C53164) corresponds to a region of the predicted gene.; Similar to Arabidopsis thaliana chromosome II BAC F5H14 genomic sequence,hypothetical protein. (AC006234) [Oryza sativa]		

Seq. No.	16296	Seq. ID	OJ990617_02.9B01.C97
Gene No.	34332	Strand	-
Start	1	End	768
Name	OJ990617_02.9B01.C97.o1.gp	Method	AAT/GAP
Start	74	End	706
GI	none	Score	808
Exons	74..107, 221..706		

Seq. No.	16296	Seq. ID	OJ990617_02.9B01.C97
Gene No.	34332	Strand	-
Start	1	End	768
Name	OJ990617_02.9B01.C97.o1.tm	Method	TBLASTX:Maize
Start	207	End	705
GI	none	Score	131
Exons	207..353, 211..363, 218..382, 397..636, 404..607, 429..623,	221..343, 312..383, 395..625, 640..705, 640..705	

Seq. No.	16296	Seq. ID	OJ990617_02.9B01.C97
Gene No.	34332	Strand	-
Start	1	End	768
Name	OJ990617_02.9B01.C97.o1.gs	Method	GENSCAN
Start	221	End	680
GI	none	Score	.42
Exons	221..587, 592..680		

Seq. No.	16297	Seq. ID	OJ990617_02.9B01.C98
Gene No.	34333	Strand	+
Start	334	End	483
Name	OJ990617_02.9B01.C98.o1.np	Method	AAT/NAP
Start	334	End	483
GI	6721511	Score	108
Exons	334..483		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	16298	Seq. ID	OJ990617_02.9B01.C99
Gene No.	34334	Strand	+
Start	222	End	1000
Name	OJ990617_02.9B01.C99.o1.np	Method	AAT/NAP
Start	222	End	1000
GI	6721511	Score	1035
Exons	222..287, 474..1000		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	16298	Seq. ID	OJ990617_02.9B01.C99
Gene No.	34334	Strand	+
Start	222	End	1000
Name	OJ990617_02.9B01.C99.o1.gs	Method	GENSCAN
Start	425	End	818
GI	none	Score	.55
Exons	425..818		

Seq. No.	16298	Seq. ID	OJ990617_02.9B01.C99
Gene No.	34335	Strand	-
Start	2643	End	3192
Name	OJ990617_02.9B01.C99.o2.np	Method	AAT/NAP
Start	2643	End	3192
GI	6721512	Score	626

Exons	2643..2941, 3088..3192		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	16299	Seq. ID	OJ990617_02.9B01.C100
Gene No.	34336	Strand	+
Start	3749	End	4097
Name	OJ990617_02.9B01.C100.o1.gp	Method	AAT/GAP
Start	3749	End	4097
GI	none	Score	595
Exons	3749..4097		
Seq. No.	16299	Seq. ID	OJ990617_02.9B01.C100
Gene No.	34337	Strand	+
Start	4757	End	7623
Name	OJ990617_02.9B01.C100.o2.np	Method	AAT/NAP
Start	4757	End	7623
GI	6721513	Score	629
Exons	4757..4897, 4973..5091, 5949..6081, 6551..6600, 7561..7623		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	16299	Seq. ID	OJ990617_02.9B01.C100
Gene No.	34338	Strand	-
Start	1	End	4039
Name	OJ990617_02.9B01.C100.o1.np	Method	AAT/NAP
Start	1	End	4039
GI	6721512	Score	1395
Exons	1..89, 875..940, 1053..1089, 1132..1266, 1294..1486, 1681..1784, 2198..2355, 3771..4039		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		
Seq. No.	16300	Seq. ID	OJ990617_02.9B01.C101
Gene No.	34339	Strand	+
Start	97	End	426
Name	OJ990617_02.9B01.C101.o1.gp	Method	AAT/GAP
Start	97	End	426
GI	286958	Score	660
Exons	97..426		
Seq. No.	16300	Seq. ID	OJ990617_02.9B01.C101
Gene No.	34340	Strand	+
Start	607	End	1171
Name	OJ990617_02.9B01.C101.o1.np	Method	AAT/NAP
Start	607	End	1048
GI	6721514	Score	314
Exons	607..645, 763..858, 965..1048		
GI Descrip.	(AP001072) ESTs D15765(C1211),AU082107(C1211) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	16300	Seq. ID	OJ990617_02.9B01.C101
Gene No.	34340	Strand	+
Start	607	End	1171
Name	OJ990617_02.9B01.C101.o1.gs	Method	GENSCAN
Start	772	End	1171
GI	none	Score	.43
Exons	772..858, 1151..1171		

Seq. No.	16301	Seq. ID	OJ990617_02.9B01.C102
Gene No.	34341	Strand	-
Start	859	End	1363
Name	OJ990617_02.9B01.C102.o1.gs	Method	GENSCAN
Start	859	End	1247
GI	none	Score	.97
Exons	859..967, 1039..1247		

Seq. No.	16301	Seq. ID	OJ990617_02.9B01.C102
Gene No.	34341	Strand	-
Start	859	End	1363
Name	OJ990617_02.9B01.C102.o1.np	Method	AAT/NAP
Start	862	End	1363
GI	6721515	Score	619
Exons	862..967, 1039..1363		
GI Descrip.	(AP001072) Similar to mudrA. (M76978) [Oryza sativa]		

Seq. No.	16301	Seq. ID	OJ990617_02.9B01.C102
Gene No.	34341	Strand	-
Start	859	End	1363
Name	OJ990617_02.9B01.C102.o1.tm	Method	TBLASTX:Maize
Start	867	End	1302
GI	none	Score	45
Exons	867..956, 869..958, 870..944, 871..957, 871..969, 872..970, 1035..1100, 1036..1128, 1039..1161, 1040..1222, 1047..1190, 1211..1276, 1225..1302, 1225..1299, 1227..1301		

Seq. No.	16302	Seq. ID	OJ990617_02.9B01.C103
Gene No.	34342	Strand	+
Start	1	End	1090
Name	OJ990617_02.9B01.C103.o1.np	Method	AAT/NAP
Start	1	End	1090
GI	6721516	Score	76
Exons	1..37, 794..893, 1022..1090		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	16303	Seq. ID	OJ990617_02.9B01.C104
Gene No.	34343	Strand	-
Start	1	End	555
Name	OJ990617_02.9B01.C104.o1.np	Method	AAT/NAP
Start	1	End	555
GI	6498420	Score	510
Exons	1..225, 329..555		
GI Descrip.	(AP000815) ESTs D47452(S12946),C23573(S10086),C19173(E10057), AU081294(E10057),AU032455(S10086) correspond to a region of the predicted gene.; Similar to PNIL34. (U37437) [Oryza sativa] gi\|6721522\|dbj\|BAA89564.1\| (AP001072) ESTs D47452(S12946),C23573(S10086),C19173(E10057), AU081294(E10057),AU032455(S10086) correspond to a region of the predicted gene.; Similar to PNIL3		

Seq. No.	16303	Seq. ID	OJ990617_02.9B01.C104
Gene No.	34343	Strand	-
Start	1	End	555
Name	OJ990617_02.9B01.C104.o1.tc	Method	TBLASTX:Cress
Start	109	End	555
GI	none	Score	63

Exons	109..231, 127..225, 128..226, 326..508, 327..503, 509..553, 511..555		
Seq. No.	16303	Seq. ID	OJ990617_02.9B01.C104
Gene No.	34343	Strand	-
Start	1	End	555
Name	OJ990617_02.9B01.C104.o1.ts	Method	TBLASTX:Soybean
Start	109	End	555
GI	none	Score	112
Exons	109..231, 128..226, 326..508, 327..509, 509..553, 511..555		
Seq. No.	16303	Seq. ID	OJ990617_02.9B01.C104
Gene No.	34343	Strand	-
Start	1	End	555
Name	OJ990617_02.9B01.C104.o1.tm	Method	TBLASTX:Maize
Start	109	End	555
GI	none	Score	165
Exons	109..231, 122..226, 326..508, 327..509, 327..509, 361..465, 509..553, 511..555		
Seq. No.	16303	Seq. ID	OJ990617_02.9B01.C104
Gene No.	34343	Strand	-
Start	1	End	555
Name	OJ990617_02.9B01.C104.o1.gp	Method	AAT/GAP
Start	127	End	555
GI	1259_1.R1084	Score	583
Exons	127..225, 329..555		
GI Descrip.	'1052960 0.0e+00 (U37437) PNIL34 [Ipomoea nil]'		
Seq. No.	16303	Seq. ID	OJ990617_02.9B01.C104
Gene No.	34343	Strand	-
Start	1	End	555
Name	OJ990617_02.9B01.C104.o1.gs	Method	GENSCAN
Start	127	End	500
GI	none	Score	.95
Exons	127..225, 329..500		
Seq. No.	16304	Seq. ID	OJ990617_02.9B01.C105
Gene No.	34344	Strand	+
Start	137	End	373
Name	OJ990617_02.9B01.C105.o1.gs	Method	GENSCAN
Start	137	End	373
GI	none	Score	.47
Exons	137..373		
Seq. No.	16304	Seq. ID	OJ990617_02.9B01.C105
Gene No.	34345	Strand	-
Start	1	End	172
Name	OJ990617_02.9B01.C105.o1.np	Method	AAT/NAP
Start	1	End	172
GI	6721519	Score	115
Exons	1..172		
GI Descrip.	(AP001072) EST AU082116(E4026) corresponds to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	16304	Seq. ID	OJ990617_02.9B01.C105
Gene No.	34346	Strand	-

Start	132	End	279
Name	OJ990617_02.9B01.C105.o1.gp	Method	AAT/GAP
Start	132	End	279
GI	4160_1.R1084	Score	226
Exons	132..279		
GI Descrip.	'5852172/emb\|CAB55410.1\| 4.0e-11 (AL117265) zhb0002.1 [Oryza sativa]'		

Seq. No.	16305	Seq. ID	OJ990617_02.9B01.C108
Gene No.	34347	Strand	+
Start	1328	End	1886
Name	OJ990617_02.9B01.C108.o1.gs	Method	GENSCAN
Start	1328	End	1886
GI	none	Score	.52
Exons	1328..1384, 1785..1886		

Seq. No.	16305	Seq. ID	OJ990617_02.9B01.C108
Gene No.	34347	Strand	+
Start	1328	End	1886
Name	OJ990617_02.9B01.C108.o1.np	Method	AAT/NAP
Start	1328	End	1564
GI	6498426	Score	319
Exons	1328..1564		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	16306	Seq. ID	OJ990617_02.9B01.C109
Gene No.	34348	Strand	-
Start	1520	End	1744
Name	OJ990617_02.9B01.C109.o2.gs	Method	GENSCAN
Start	1520	End	1732
GI	none	Score	.58
Exons	1520..1732		

Seq. No.	16306	Seq. ID	OJ990617_02.9B01.C109
Gene No.	34348	Strand	-
Start	1520	End	1744
Name	OJ990617_02.9B01.C109.o1.np	Method	AAT/NAP
Start	1523	End	1744
GI	6498425	Score	341
Exons	1523..1744		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	16307	Seq. ID	OJ990617_02.9B01.C111
Gene No.	34349	Strand	+
Start	576	End	3487
Name	OJ990617_02.9B01.C111.o1.gs	Method	GENSCAN
Start	576	End	1012
GI	none	Score	.97
Exons	576..759, 939..1012		

Seq. No.	16307	Seq. ID	OJ990617_02.9B01.C111
Gene No.	34349	Strand	+
Start	576	End	3487
Name	OJ990617_02.9B01.C111.o1.np	Method	AAT/NAP
Start	576	End	3487
GI	6498424	Score	437
Exons	576..759, 3414..3487		

GI Descrip. (AP000815) hypothetical protein [Oryza sativa]

Seq. No.	16307	Seq. ID	OJ990617_02.9B01.C111
Gene No.	34350	Strand	-
Start	2730	End	3506
Name	OJ990617_02.9B01.C111.o2.gs	Method	GENSCAN
Start	2730	End	3506
GI	none	Score	.54
Exons	2730..2956, 3395..3506		

Seq. No.	16308	Seq. ID	OJ990617_02.9B01.C113
Gene No.	34351	Strand	+
Start	166	End	3551
Name	OJ990617_02.9B01.C113.o1.np	Method	AAT/NAP
Start	166	End	3551
GI	6498423	Score	1521
Exons	166..825, 2075..2242, 2748..2788, 2911..2971, 3487..3551		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	16308	Seq. ID	OJ990617_02.9B01.C113
Gene No.	34351	Strand	+
Start	166	End	3551
Name	OJ990617_02.9B01.C113.o2.np	Method	AAT/NAP
Start	3177	End	3551
GI	6630695	Score	208
Exons	3177..3268, 3353..3551		
GI Descrip.	(AP000969) ESTs C97915(C0113), C26087(C11614) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	16309	Seq. ID	OJ990617_02.9B01.C114
Gene No.	34352	Strand	+
Start	1	End	1905
Name	OJ990617_02.9B01.C114.o1.np	Method	AAT/NAP
Start	1	End	1905
GI	6498423	Score	554
Exons	1..88, 215..277, 1158..1361, 1619..1905		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	16309	Seq. ID	OJ990617_02.9B01.C114
Gene No.	34352	Strand	+
Start	1	End	1905
Name	OJ990617_02.9B01.C114.o1.gs	Method	GENSCAN
Start	215	End	1706
GI	none	Score	.84
Exons	215..277, 552..601, 704..779, 1158..1361, 1619..1706		

Seq. No.	16310	Seq. ID	OJ990617_02.9B01.C115
Gene No.	34353	Strand	+
Start	1	End	1992
Name	OJ990617_02.9B01.C115.o1.np	Method	AAT/NAP
Start	1	End	1992
GI	6498423	Score	862
Exons	1..338, 596..683, 880..965, 1051..1158, 1876..1992		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	16310	Seq. ID	OJ990617_02.9B01.C115

Gene No.	34353	Strand	+
Start	1	End	1992
Name	OJ990617_02.9B01.C115.o1.gs	Method	GENSCAN
Start	147	End	1965
GI	none	Score	.65
Exons	147..338, 596..683, 880..965, 1027..1158, 1876..1965		

Seq. No.	16310	Seq. ID	OJ990617_02.9B01.C115
Gene No.	34353	Strand	+
Start	1	End	1992
Name	OJ990617_02.9B01.C115.o1.tw	Method	TBLASTX:Wheat
Start	632	End	1961
GI	none	Score	62
Exons	632..685, 632..697, 640..696, 848..967, 876..968, 879..968, 1049..1156, 1050..1154, 1050..1166, 1051..1164, 1563..1616, 1564..1617, 1571..1651, 1571..1630, 1718..1810, 1719..1814, 1728..1811, 1919..1957, 1923..1961		

Seq. No.	16311	Seq. ID	OJ990617_02.9B01.C116
Gene No.	34354	Strand	+
Start	1	End	83
Name	OJ990617_02.9B01.C116.o1.np	Method	AAT/NAP
Start	1	End	83
GI	6498423	Score	127
Exons	1..83		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	16311	Seq. ID	OJ990617_02.9B01.C116
Gene No.	34355	Strand	-
Start	249	End	1624
Name	OJ990617_02.9B01.C116.o1.gs	Method	GENSCAN
Start	249	End	1533
GI	none	Score	.54
Exons	249..429, 1164..1533		

Seq. No.	16311	Seq. ID	OJ990617_02.9B01.C116
Gene No.	34355	Strand	-
Start	249	End	1624
Name	OJ990617_02.9B01.C116.o1.gp	Method	AAT/GAP
Start	1127	End	1533
GI	234_4.R1084	Score	717
Exons	1127..1533		
GI Descrip.	'100665/pir\|\|S22860 9.0e-80 calmodulin 2 (clone lambda DASH) - rice >gi_20190_emb_CAA78288_ (Z12828) calmodulin [Oryza sativa] >gi_310313 (L18914) calmodulin [Oryza sativa]'		

Seq. No.	16311	Seq. ID	OJ990617_02.9B01.C116
Gene No.	34355	Strand	-
Start	249	End	1624
Name	OJ990617_02.9B01.C116.o1.tw	Method	TBLASTX:Wheat
Start	1150	End	1534
GI	none	Score	395
Exons	1150..1317, 1160..1534, 1163..1528, 1163..1357, 1163..1369, 1382..1534		

Seq. No.	16311	Seq. ID	OJ990617_02.9B01.C116
Gene No.	34355	Strand	-

Start	249	End	1624
Name	OJ990617_02.9B01.C116.o1.tm	Method	TBLASTX:Maize
Start	1154	End	1534
GI	none	Score	383
Exons	1154..1534, 1163..1534, 1163..1369, 1163..1357		

Seq. No.	16311	Seq. ID	OJ990617_02.9B01.C116
Gene No.	34355	Strand	-
Start	249	End	1624
Name	OJ990617_02.9B01.C116.o1.tc	Method	TBLASTX:Cress
Start	1156	End	1535
GI	none	Score	320
Exons	1156..1314, 1158..1535, 1160..1534, 1163..1369		

Seq. No.	16311	Seq. ID	OJ990617_02.9B01.C116
Gene No.	34355	Strand	-
Start	249	End	1624
Name	OJ990617_02.9B01.C116.o1.ts	Method	TBLASTX:Soybean
Start	1160	End	1534
GI	none	Score	384
Exons	1160..1534, 1163..1534, 1163..1357, 1163..1357		

Seq. No.	16311	Seq. ID	OJ990617_02.9B01.C116
Gene No.	34355	Strand	-
Start	249	End	1624
Name	OJ990617_02.9B01.C116.o2.np	Method	AAT/NAP
Start	1163	End	1624
GI	6498422	Score	610
Exons	1163..1624		
GI Descrip.	(AP000815) ESTs AU030013(E50493),AU081341(E50493) correspond to a region of the predicted gene.; Similar to O.sativa gene encoding calmodulin. (Z12828) [Oryza sativa]		

Seq. No.	16312	Seq. ID	OJ990617_02.9B01.C117
Gene No.	34356	Strand	-
Start	1	End	1224
Name	OJ990617_02.9B01.C117.o1.gp	Method	AAT/GAP
Start	1	End	1224
GI	234_4.R1084	Score	748
Exons	1..286, 1068..1224		
GI Descrip.	'100665/pir\|\|S22860 9.0e-80 calmodulin 2 (clone lambda DASH) - rice >gi_20190_emb_CAA78288_ (Z12828) calmodulin [Oryza sativa] >gi_310313 (L18914) calmodulin [Oryza sativa]'		

Seq. No.	16312	Seq. ID	OJ990617_02.9B01.C117
Gene No.	34356	Strand	-
Start	1	End	1224
Name	OJ990617_02.9B01.C117.o1.np	Method	AAT/NAP
Start	1	End	1143
GI	6498422	Score	532
Exons	1..286, 1068..1143		
GI Descrip.	(AP000815) ESTs AU030013(E50493),AU081341(E50493) correspond to a region of the predicted gene.; Similar to O.sativa gene encoding calmodulin. (Z12828) [Oryza sativa]		

Seq. No.	16312	Seq. ID	OJ990617_02.9B01.C117
Gene No.	34356	Strand	-

Start	1	End	1224
Name	OJ990617_02.9B01.C117.o1.gs	Method	GENSCAN
Start	23	End	1143
GI	none	Score	.8
Exons	23..286, 918..1143		

Seq. No.	16312	Seq. ID	OJ990617_02.9B01.C117
Gene No.	34357	Strand	-
Start	2032	End	7866
Name	OJ990617_02.9B01.C117.o1.ts	Method	TBLASTX:Soybean
Start	1	End	1143
GI	none	Score	243
Exons	1..288, 3..287, 6..122, 135..287, 1066..1143		

Seq. No.	16312	Seq. ID	OJ990617_02.9B01.C117
Gene No.	34357	Strand	-
Start	2032	End	7866
Name	OJ990617_02.9B01.C117.o2.tm	Method	TBLASTX:Maize
Start	1	End	1143
GI	none	Score	272
Exons	1..288, 1..288, 3..287, 3..287, 6..122, 6..122, 10..288, 10..288, 126..287, 135..287, 1066..1143, 1066..1143, 1067..1108, 1067..1108		

Seq. No.	16312	Seq. ID	OJ990617_02.9B01.C117
Gene No.	34357	Strand	-
Start	2032	End	7866
Name	OJ990617_02.9B01.C117.o1.tw	Method	TBLASTX:Wheat
Start	1	End	1147
GI	none	Score	278
Exons	1..288, 3..287, 6..122, 7..288, 135..287, 1066..1143, 1066..1122, 1067..1108, 1115..1147		

Seq. No.	16312	Seq. ID	OJ990617_02.9B01.C117
Gene No.	34357	Strand	-
Start	2032	End	7866
Name	OJ990617_02.9B01.C117.o2.tc	Method	TBLASTX:Cress
Start	1	End	1143
GI	none	Score	215
Exons	1..288, 1..240, 3..287, 6..155, 135..287, 1066..1143, 1067..1108		

Seq. No.	16312	Seq. ID	OJ990617_02.9B01.C117
Gene No.	34357	Strand	-
Start	2032	End	7866
Name	OJ990617_02.9B01.C117.o2.gs	Method	GENSCAN
Start	2032	End	7781
GI	none	Score	.86
Exons	2032..2227, 3746..3855, 4455..4589, 4701..4791, 4868..4936, 5030..5217, 5757..5891, 5983..6057, 6140..6380, 7703..7781		

Seq. No.	16312	Seq. ID	OJ990617_02.9B01.C117
Gene No.	34357	Strand	-
Start	2032	End	7866
Name	OJ990617_02.9B01.C117.o2.np	Method	AAT/NAP
Start	2035	End	7866
GI	6498421	Score	2898
Exons	2035..2219, 3324:.3561, 3677..3817, 3916..4294, 4455..4589,		

4701..4791, 4868..4936, 5030..5217, 5757..5891, 5983..6057, 6140..6380, 7703..7866

GI Descrip. (AP000815) ESTs AU081256(C53656),AU081257(C53656), AU032236(R3784),AU081351(E61905),AU031587(E61905), AU081361(R3784) correspond to a region of the predicted gene.; Similar to alien-like protein. (AC005623) [Oryza sativa]

Seq. No.	16312	Seq. ID	OJ990617_02.9B01.C117
Gene No.	34357	Strand	-
Start	2032	End	7866
Name	OJ990617_02.9B01.C117.o2.gp	Method	AAT/GAP
Start	3493	End	3818
GI	3767477	Score	584
Exons	3493..3818		

Seq. No.	16312	Seq. ID	OJ990617_02.9B01.C117
Gene No.	34357	Strand	-
Start	2032	End	7866
Name	OJ990617_02.9B01.C117.o1.tm	Method	TBLASTX:Maize
Start	3719	End	7794
GI	none	Score	129
Exons	3719..3835, 3735..3833, 3739..3834, 3911..3997, 3916..4020, 3917..4027, 4005..4028, 4444..4569, 4455..4613, 4455..4595, 4690..4803, 4694..4795, 4701..4802, 4862..4936, 4865..4936, 4866..4937, 4867..4941, 5027..5224, 5028..5219, 5029..5223, 5736..5894, 5757..5891, 5773..5892, 5977..6060, 5984..6058, 5985..6059, 6140..6379, 6171..6380, 6280..6381, 7698..7784, 7701..7784, 7702..7794, 7703..7786		

Seq. No.	16312	Seq. ID	OJ990617_02.9B01.C117
Gene No.	34357	Strand	-
Start	2032	End	7866
Name	OJ990617_02.9B01.C117.o2.ts	Method	TBLASTX:Soybean
Start	3811	End	4906
GI	none	Score	120
Exons	3811..3834, 3915..3992, 3916..4017, 4396..4569, 4439..4591, 4454..4570, 4455..4595, 4470..4592, 4690..4773, 4700..4762, 4701..4772, 4762..4803, 4773..4802, 4865..4906, 4867..4905		

Seq. No.	16312	Seq. ID	OJ990617_02.9B01.C117
Gene No.	34357	Strand	-
Start	2032	End	7866
Name	OJ990617_02.9B01.C117.o3.gp	Method	AAT/GAP
Start	4716	End	6281
GI	18421_1.R1084	Score	1476
Exons	4716..4791, 4868..5217, 5757..5891, 5983..6057, 6140..6281		
GI Descrip.	'3885329 1.0e-116 (AC005623) alien-like protein [Arabidopsis thaliana]'		

Seq. No.	16312	Seq. ID	OJ990617_02.9B01.C117
Gene No.	34357	Strand	-
Start	2032	End	7866
Name	OJ990617_02.9B01.C117.o3.ts	Method	TBLASTX:Soybean
Start	5004	End	5817
GI	none	Score	91
Exons	5004..5216, 5005..5223, 5022..5162, 5027..5206, 5757..5816, 5761..5817		

Seq. No.	16312	Seq. ID	OJ990617_02.9B01.C117
Gene No.	34357	Strand	-
Start	2032	End	7866
Name	OJ990617_02.9B01.C117.o3.tc	Method	TBLASTX:Cress
Start	5041	End	5894
GI	none	Score	211
Exons	5041..5223, 5054..5224, 5757..5894, 5757..5891, 5762..5893		

Seq. No.	16312	Seq. ID	OJ990617_02.9B01.C117
Gene No.	34357	Strand	-
Start	2032	End	7866
Name	OJ990617_02.9B01.C117.o5.ts	Method	TBLASTX:Soybean
Start	5819	End	6208
GI	none	Score	54
Exons	5819..5893, 5820..5894, 5820..5891, 5977..6060, 5977..6060, 5984..6079, 6137..6196, 6139..6192, 6140..6208, 6142..6207		

Seq. No.	16312	Seq. ID	OJ990617_02.9B01.C117
Gene No.	34357	Strand	-
Start	2032	End	7866
Name	OJ990617_02.9B01.C117.o1.tc	Method	TBLASTX:Cress
Start	5999	End	7777
GI	none	Score	85
Exons	5999..6094, 6001..6060, 6140..6379, 6171..6380, 7702..7776, 7706..7777		

Seq. No.	16312	Seq. ID	OJ990617_02.9B01.C117
Gene No.	34357	Strand	-
Start	2032	End	7866
Name	OJ990617_02.9B01.C117.o4.ts	Method	TBLASTX:Soybean
Start	6215	End	7794
GI	none	Score	209
Exons	6215..6379, 6216..6380, 6220..6381, 6223..6381, 6224..6382, 7701..7784, 7702..7794, 7703..7783		

Seq. No.	16313	Seq. ID	OJ990617_02.9B01.C118
Gene No.	34358	Strand	-
Start	352	End	452
Name	OJ990617_02.9B01.C118.o1.np	Method	AAT/NAP
Start	352	End	452
GI	6498421	Score	134
Exons	352..452		
GI Descrip.	(AP000815) ESTs AU081256(C53656),AU081257(C53656), AU032236(R3784),AU081351(E61905),AU031587(E61905), AU081361(R3784) correspond to a region of the predicted gene.; Similar to alien-like protein. (AC005623) [Oryza sativa]		

Seq. No.	16313	Seq. ID	OJ990617_02.9B01.C118
Gene No.	34359	Strand	-
Start	368	End	558
Name	OJ990617_02.9B01.C118.o1.gs	Method	GENSCAN
Start	368	End	558
GI	none	Score	.67
Exons	368..460, 549..558		

Seq. No.	16314	Seq. ID	OJ990617_02.9B01.C119

Gene No.	34360	Strand	-
Start	60	End	345
Name	OJ990617_02.9B01.C119.o1.gp	Method	AAT/GAP
Start	60	End	345
GI	none	Score	539
Exons	60..345		

Seq. No.	16314	Seq. ID	OJ990617_02.9B01.C119
Gene No.	34361	Strand	-
Start	281	End	335
Name	OJ990617_02.9B01.C119.o1.gs	Method	GENSCAN
Start	281	End	335
GI	none	Score	.99
Exons	281..335		

Seq. No.	16315	Seq. ID	OJ990617_02.9B01.C122
Gene No.	34362	Strand	+
Start	188	End	224
Name	OJ990617_02.9B01.C122.o1.gs	Method	GENSCAN
Start	188	End	224
GI	none	Score	.4
Exons	188..224		

Seq. No.	16315	Seq. ID	OJ990617_02.9B01.C122
Gene No.	34363	Strand	-
Start	193	End	511
Name	OJ990617_02.9B01.C122.o1.np	Method	AAT/NAP
Start	193	End	511
GI	6721511	Score	210
Exons	193..511		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	16316	Seq. ID	OJ990617_02.9B01.C124
Gene No.	34364	Strand	-
Start	1	End	1108
Name	OJ990617_02.9B01.C124.o1.np	Method	AAT/NAP
Start	1	End	1108
GI	6498436	Score	556
Exons	1..221, 270..387, 1022..1108		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	16316	Seq. ID	OJ990617_02.9B01.C124
Gene No.	34364	Strand	-
Start	1	End	1108
Name	OJ990617_02.9B01.C124.o1.gs	Method	GENSCAN
Start	255	End	1108
GI	none	Score	.69
Exons	255..387, 679..804, 1022..1108		

Seq. No.	16316	Seq. ID	OJ990617_02.9B01.C124
Gene No.	34364	Strand	-
Start	1	End	1108
Name	OJ990617_02.9B01.C124.o1.tw	Method	TBLASTX:Wheat
Start	529	End	948
GI	none	Score	71
Exons	529..816, 530..739, 823..948, 832..948		

Seq. No.	16317	Seq. ID	OJ990617_02.9B01.C125
Gene No.	34365	Strand	-
Start	1277	End	2572
Name	OJ990617_02.9B01.C125.o1.np	Method	AAT/NAP
Start	1277	End	2572
GI	6498436	Score	1698
Exons	1277..1395, 1660..2572		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	16318	Seq. ID	OJ990617_02.9B01.C126
Gene No.	34366	Strand	+
Start	267	End	1862
Name	OJ990617_02.9B01.C126.o1.np	Method	AAT/NAP
Start	267	End	1862
GI	6498437	Score	547
Exons	267..319, 1562..1862		
GI Descrip.	(AP000815) hypothetical protein [Oryza sativa]		

Seq. No.	16319	Seq. ID	OJ990617_02.9B01.C128
Gene No.	34367	Strand	-
Start	735	End	914
Name	OJ990617_02.9B01.C128.o1.gs	Method	GENSCAN
Start	735	End	914
GI	none	Score	.71
Exons	735..914		

Seq. No.	16320	Seq. ID	OJ990617_02.9B01.C129
Gene No.	34368	Strand	+
Start	110	End	739
Name	OJ990617_02.9B01.C129.o1.np	Method	AAT/NAP
Start	110	End	739
GI	6498421	Score	315
Exons	110..272, 524..739		
GI Descrip.	(AP000815) ESTs AU081256(C53656),AU081257(C53656), AU032236(R3784),AU081351(E61905),AU031587(E61905), AU081361(R3784) correspond to a region of the predicted gene.; Similar to alien-like protein. (AC005623) [Oryza sativa]		

Seq. No.	16320	Seq. ID	OJ990617_02.9B01.C129
Gene No.	34368	Strand	+
Start	110	End	739
Name	OJ990617_02.9B01.C129.o1.ts	Method	TBLASTX:Soybean
Start	523	End	690
GI	none	Score	86
Exons	523..681, 524..682, 524..685, 525..689, 526..690		

Seq. No.	16320	Seq. ID	OJ990617_02.9B01.C129
Gene No.	34368	Strand	+
Start	110	End	739
Name	OJ990617_02.9B01.C129.o1.tc	Method	TBLASTX:Cress
Start	524	End	738
GI	none	Score	97
Exons	524..730, 525..734, 526..738		

Seq. No.	16320	Seq. ID	OJ990617_02.9B01.C129
Gene No.	34368	Strand	+
Start	110	End	739

Name	OJ990617_02.9B01.C129.o1.tm	Method	TBLASTX:Maize
Start	524	End	738
GI	none	Score	87
Exons	524..625, 525..737, 526..738		

Seq. No.	16320	Seq. ID	OJ990617_02.9B01.C129
Gene No.	34368	Strand	+
Start	110	End	739
Name	OJ990617_02.9B01.C129.o1.gs	Method	GENSCAN
Start	525	End	637
GI	none	Score	.58
Exons	525..637		

Seq. No.	16320	Seq. ID	OJ990617_02.9B01.C129
Gene No.	34368	Strand	+
Start	110	End	739
Name	OJ990617_02.9B01.C129.o1.gp	Method	AAT/GAP
Start	624	End	739
GI	18421_1.R1084	Score	220
Exons	624..739		
GI Descrip.	'3885329 1.0e-116 (AC005623) alien-like protein [Arabidopsis thaliana]'		

Seq. No.	16321	Seq. ID	OJ990617_02.9B01.C130
Gene No.	34369	Strand	-
Start	46	End	532
Name	OJ990617_02.9B01.C130.o1.gs	Method	GENSCAN
Start	46	End	532
GI	none	Score	.67
Exons	46..67, 112..198, 451..532		

Seq. No.	16322	Seq. ID	OJ990917_01.9B05.C1
Gene No.	34370	Strand	+
Start	1	End	2858
Name	OJ990917_01.9B05.C1.o1.np	Method	AAT/NAP
Start	1	End	2855
GI	3600033	Score	3202
Exons	1..2855		
GI Descrip.	(AF080119) contains similarity to the N terminal domain of the E1 protein (Pfam: E1_N.hmm, score: 12.36) [Arabidopsis thaliana]		

Seq. No.	16322	Seq. ID	OJ990917_01.9B05.C1
Gene No.	34370	Strand	+
Start	1	End	2858
Name	OJ990917_01.9B05.C1.o1.gs	Method	GENSCAN
Start	252	End	2858
GI	none	Score	.54
Exons	252..2858		

Seq. No.	16322	Seq. ID	OJ990917_01.9B05.C1
Gene No.	34370	Strand	+
Start	1	End	2858
Name	OJ990917_01.9B05.C1.o1.gp	Method	AAT/GAP
Start	657	End	1114
GI	2427784	Score	868
Exons	657..1114		
GI Descrip.	3600033 2.0e-37 (AF080119) contains similarity to the N terminal		

domain of the E1 protein (Pfam: E1_N.hmm, score: 12.36) [Arabidopsis thaliana]

Seq. No.	16322	Seq. ID	OJ990917_01.9B05.C1
Gene No.	34370	Strand	+
Start	1	End	2858
Name	OJ990917_01.9B05.C1.o2.gp	Method	AAT/GAP
Start	1978	End	2843
GI	22442_1.R1084	Score	1696
Exons	1978..2843		
GI Descrip.	'3600033 1.0e-92 (AF080119) contains similarity to the N terminal domain of the E1 protein (Pfam: E1_N.hmm, score: 12.36) [Arabidopsis thaliana]'		

Seq. No.	16322	Seq. ID	OJ990917_01.9B05.C1
Gene No.	34371	Strand	-
Start	3572	End	6906
Name	OJ990917_01.9B05.C1.o2.tm	Method	TBLASTX:Maize
Start	300	End	679
GI	none	Score	223
Exons	300..458, 315..458, 452..679, 456..677		

Seq. No.	16322	Seq. ID	OJ990917_01.9B05.C1
Gene No.	34371	Strand	-
Start	3572	End	6906
Name	OJ990917_01.9B05.C1.o5.ts	Method	TBLASTX:Soybean
Start	557	End	767
GI	none	Score	257
Exons	557..703, 558..767, 559..759		

Seq. No.	16322	Seq. ID	OJ990917_01.9B05.C1
Gene No.	34371	Strand	-
Start	3572	End	6906
Name	OJ990917_01.9B05.C1.o1.tm	Method	TBLASTX:Maize
Start	682	End	2860
GI	none	Score	184
Exons	682..966, 694..936, 699..968, 770..967, 974..1042, 975..1049, 1092..2558, 1093..1410, 1247..1708, 1447..2160, 1754..2353, 1966..2643, 1980..2501, 2429..2506, 2554..2646, 2623..2859, 2709..2798, 2758..2859, 2777..2860		

Seq. No.	16322	Seq. ID	OJ990917_01.9B05.C1
Gene No.	34371	Strand	-
Start	3572	End	6906
Name	OJ990917_01.9B05.C1.o6.ts	Method	TBLASTX:Soybean
Start	773	End	968
GI	none	Score	231
Exons	773..958, 774..968		

Seq. No.	16322	Seq. ID	OJ990917_01.9B05.C1
Gene No.	34371	Strand	-
Start	3572	End	6906
Name	OJ990917_01.9B05.C1.o2.ts	Method	TBLASTX:Soybean
Start	1521	End	1826
GI	none	Score	438
Exons	1521..1826, 1521..1823		

Seq. No.	16322	Seq. ID	OJ990917_01.9B05.C1
Gene No.	34371	Strand	-
Start	3572	End	6906
Name	OJ990917_01.9B05.C1.o1.ts	Method	TBLASTX:Soybean
Start	1929	End	2375
GI	none	Score	58
Exons	1929..1976, 1930..2223, 1983..2375, 1997..2362, 2025..2375		

Seq. No.	16322	Seq. ID	OJ990917_01.9B05.C1
Gene No.	34371	Strand	-
Start	3572	End	6906
Name	OJ990917_01.9B05.C1.o1.tc	Method	TBLASTX:Cress
Start	2331	End	2801
GI	none	Score	277
Exons	2331..2510, 2369..2524, 2370..2501, 2438..2503, 2578..2631, 2676..2801, 2712..2777		

Seq. No.	16322	Seq. ID	OJ990917_01.9B05.C1
Gene No.	34371	Strand	-
Start	3572	End	6906
Name	OJ990917_01.9B05.C1.o4.ts	Method	TBLASTX:Soybean
Start	2376	End	2759
GI	none	Score	230
Exons	2376..2558, 2376..2501, 2377..2502, 2378..2587, 2407..2643, 2429..2503, 2542..2631, 2676..2735, 2689..2757, 2712..2759		

Seq. No.	16322	Seq. ID	OJ990917_01.9B05.C1
Gene No.	34371	Strand	-
Start	3572	End	6906
Name	OJ990917_01.9B05.C1.o2.gs	Method	GENSCAN
Start	3572	End	6628
GI	none	Score	.93
Exons	3572..3729, 3735..3837, 3933..3978, 4220..4333, 4926..5050, 5156..5221, 5399..5638, 6506..6628		

Seq. No.	16322	Seq. ID	OJ990917_01.9B05.C1
Gene No.	34371	Strand	-
Start	3572	End	6906
Name	OJ990917_01.9B05.C1.o3.tm	Method	TBLASTX:Maize
Start	3594	End	6643
GI	none	Score	93
Exons	3594..3686, 3601..3678, 3933..3977, 4216..4335, 4217..4336, 4927..4995, 4928..4984, 4964..5059, 4989..5051, 5150..5218, 5156..5221, 5390..5503, 5399..5638, 5400..5639, 5401..5643, 5724..5807, 5724..5807, 5725..5808, 5726..5809, 5992..6120, 6002..6115, 6002..6121, 6205..6270, 6206..6271, 6316..6426, 6318..6434, 6321..6434, 6506..6643, 6507..6632		

Seq. No.	16322	Seq. ID	OJ990917_01.9B05.C1
Gene No.	34371	Strand	-
Start	3572	End	6906
Name	OJ990917_01.9B05.C1.o2.np	Method	AAT/NAP
Start	3597	End	6906
GI	584892	Score	978
Exons	3597..3677, 3933..3978, 4220..4333, 4926..5050, 5156..5219, 5385..5638, 5726..5806, 6004..6105, 6205..6242, 6323..6425, 6506..6628, 6870..6906		

GI Descrip.	SERINE CARBOXYPEPTIDASE I PRECURSOR (CARBOXYPEPTIDASE C) gi\|629805\|pir\|\|S43516 serine carboxypeptidase I - rice gi\|409580\|dbj\|BAA04510.1\| (D17586) serine carboxypeptidase I [Oryza sativa]		

Seq. No.	16322	Seq. ID	OJ990917_01.9B05.C1
Gene No.	34371	Strand	-
Start	3572	End	6906
Name	OJ990917_01.9B05.C1.o3.gp	Method	AAT/GAP
Start	3966	End	4335
GI	702585	Score	725
Exons	3966..4335		
GI Descrip.	584892/sp\|P37890\|CBP1_ORYSA 3.0e-14 SERINE CARBOXYPEPTIDASE I PRECURSOR (CARBOXYPEPTIDASE C) >gi_629805_pir__S43516 serine carboxypeptidase I - rice >gi_409580_dbj_BAA04510_ (D17586) serine carboxypeptidase I [Oryza sativa]		

Seq. No.	16322	Seq. ID	OJ990917_01.9B05.C1
Gene No.	34371	Strand	-
Start	3572	End	6906
Name	OJ990917_01.9B05.C1.o4.gp	Method	AAT/GAP
Start	5005	End	5625
GI	64779_1.R1084	Score	595
Exons	5005..5050, 5156..5221, 5399..5625		
GI Descrip.	'167012 2.0e-27 (J03897) carboxypeptidase I precursor [Hordeum vulgare]'		

Seq. No.	16322	Seq. ID	OJ990917_01.9B05.C1
Gene No.	34371	Strand	-
Start	3572	End	6906
Name	OJ990917_01.9B05.C1.o3.ts	Method	TBLASTX:Soybean
Start	5153	End	6643
GI	none	Score	116
Exons	5153..5218, 5423..5629, 5424..5558, 5595..5645, 6002..6118, 6002..6112, 6004..6120, 6321..6434, 6322..6426, 6506..6643, 6510..6632		

Seq. No.	16322	Seq. ID	OJ990917_01.9B05.C1
Gene No.	34371	Strand	-
Start	3572	End	6906
Name	OJ990917_01.9B05.C1.o2.tc	Method	TBLASTX:Cress
Start	5423	End	6643
GI	none	Score	104
Exons	5423..5566, 5448..5576, 5558..5638, 5592..5639, 5729..5809, 5955..6107, 6004..6111, 6005..6115, 6205..6270, 6321..6434, 6322..6426, 6506..6643, 6510..6629		

Seq. No.	16322	Seq. ID	OJ990917_01.9B05.C1
Gene No.	34371	Strand	-
Start	3572	End	6906
Name	OJ990917_01.9B05.C1.o5.gp	Method	AAT/GAP
Start	5558	End	5988
GI	LIB3434-028-P1-K1-D3	Score	241
Exons	5558..5638, 5726..5815, 5954..5988		
GI Descrip.	'584892/sp\|P37890\|CBP1_ORYSA 8.0e-17 SERINE CARBOXYPEPTIDASE I PRECURSOR (CARBOXYPEPTIDASE C) >gi_629805_pir__S43516 serine carboxypeptidase I - rice >gi_409580_dbj_BAA04510_ (D17586)		

serine carboxypeptidase I [Oryza sativa]'

Seq. No.	16322	Seq. ID	OJ990917_01.9B05.C1
Gene No.	34371	Strand	-
Start	3572	End	6906
Name	OJ990917_01.9B05.C1.o6.gp	Method	AAT/GAP
Start	5755	End	6130
GI	LIB3434-028-P1-K1-D3	Score	264
Exons	5755..5806, 6004..6130		
GI Descrip.	'584892/sp\|P37890\|CBP1_ORYSA 8.0e-17 SERINE CARBOXYPEPTIDASE I PRECURSOR (CARBOXYPEPTIDASE C) >gi_629805_pir__S43516 serine carboxypeptidase I - rice >gi_409580_dbj_BAA04510_ (D17586) serine carboxypeptidase I [Oryza sativa]'		

Seq. No.	16323	Seq. ID	OJ990917_01.9B05.C2
Gene No.	34372	Strand	+
Start	2336	End	3153
Name	OJ990917_01.9B05.C2.o2.gs	Method	GENSCAN
Start	2336	End	3153
GI	none	Score	.6
Exons	2336..2432, 3083..3153		

Seq. No.	16323	Seq. ID	OJ990917_01.9B05.C2
Gene No.	34373	Strand	+
Start	3887	End	4334
Name	OJ990917_01.9B05.C2.o3.gs	Method	GENSCAN
Start	3887	End	4334
GI	none	Score	.77
Exons	3887..3964, 4215..4334		

Seq. No.	16323	Seq. ID	OJ990917_01.9B05.C2
Gene No.	34374	Strand	-
Start	1	End	1402
Name	OJ990917_01.9B05.C2.o1.np	Method	AAT/NAP
Start	1	End	1394
GI	2815493	Score	315
Exons	1..157, 809..898, 1009..1154, 1233..1394		
GI Descrip.	SERINE CARBOXYPEPTIDASE I PRECURSOR (CARBOXYPEPTIDASE C) (CP-MI) gi\|1731988\|emb\|CAA70816\| (Y09603) serine carboxypeptidase I, CP-MI [Hordeum vulgare]		

Seq. No.	16323	Seq. ID	OJ990917_01.9B05.C2
Gene No.	34374	Strand	-
Start	1	End	1402
Name	OJ990917_01.9B05.C2.o1.gs	Method	GENSCAN
Start	1009	End	1402
GI	none	Score	.86
Exons	1009..1154, 1233..1402		

Seq. No.	16323	Seq. ID	OJ990917_01.9B05.C2
Gene No.	34375	Strand	-
Start	3611	End	6029
Name	OJ990917_01.9B05.C2.o1.tc	Method	TBLASTX:Cress
Start	819	End	1289
GI	none	Score	56
Exons	819..911, 820..900, 1002..1154, 1007..1141, 1223..1288, 1227..1289		

Seq. No.	16323	Seq. ID	OJ990917_01.9B05.C2
Gene No.	34375	Strand	-
Start	3611	End	6029
Name	OJ990917_01.9B05.C2.o2.ts	Method	TBLASTX:Soybean
Start	819	End	1289
GI	none	Score	68
Exons	819..911, 820..900, 995..1129, 1002..1133, 1007..1132, 1223..1288, 1230..1289		

Seq. No.	16323	Seq. ID	OJ990917_01.9B05.C2
Gene No.	34375	Strand	-
Start	3611	End	6029
Name	OJ990917_01.9B05.C2.o2.tw	Method	TBLASTX:Wheat
Start	996	End	1291
GI	none	Score	186
Exons	996..1154, 1004..1156, 1007..1141, 1223..1291, 1230..1289		

Seq. No.	16323	Seq. ID	OJ990917_01.9B05.C2
Gene No.	34375	Strand	-
Start	3611	End	6029
Name	OJ990917_01.9B05.C2.o2.np	Method	AAT/NAP
Start	3611	End	6029
GI	6728987	Score	413
Exons	3611..3674, 4974..5154, 5278..5504, 5964..6029		
GI Descrip.	(AC018363) putative protein phosphatase-2C (PP2C) [Arabidopsis thaliana]		

Seq. No.	16323	Seq. ID	OJ990917_01.9B05.C2
Gene No.	34375	Strand	-
Start	3611	End	6029
Name	OJ990917_01.9B05.C2.o4.gs	Method	GENSCAN
Start	4906	End	5511
GI	none	Score	.75
Exons	4906..5154, 5278..5511		

Seq. No.	16323	Seq. ID	OJ990917_01.9B05.C2
Gene No.	34375	Strand	-
Start	3611	End	6029
Name	OJ990917_01.9B05.C2.o1.tm	Method	TBLASTX:Maize
Start	4917	End	5500
GI	none	Score	162
Exons	4917..5150, 4927..5154, 4928..5107, 4986..5156, 5275..5499, 5276..5500		

Seq. No.	16323	Seq. ID	OJ990917_01.9B05.C2
Gene No.	34375	Strand	-
Start	3611	End	6029
Name	OJ990917_01.9B05.C2.o1.ts	Method	TBLASTX:Soybean
Start	4990	End	5504
GI	none	Score	88
Exons	4990..5154, 4994..5092, 5275..5499, 5276..5500, 5343..5504		

Seq. No.	16323	Seq. ID	OJ990917_01.9B05.C2
Gene No.	34375	Strand	-
Start	3611	End	6029
Name	OJ990917_01.9B05.C2.o1.tw	Method	TBLASTX:Wheat

Start	4990	End	5404
GI	none	Score	91
Exons	4990..5154, 5275..5403, 5276..5404		

Seq. No.	16323	Seq. ID	OJ990917_01.9B05.C2
Gene No.	34375	Strand	-
Start	3611	End	6029
Name	OJ990917_01.9B05.C2.o1.gp	Method	AAT/GAP
Start	5017	End	5990
GI	18055_1.R1084	Score	683
Exons	5017..5154, 5278..5525, 5965..5990		
GI Descrip.	'4966343/gb\|AAD34674.1\|AC006341_2 9.0e-73 (AC006341) Is a member of PF_00481 Protein phosphatase 2C family. [Arabidopsis thaliana]'		

Seq. No.	16323	Seq. ID	OJ990917_01.9B05.C2
Gene No.	34375	Strand	-
Start	3611	End	6029
Name	OJ990917_01.9B05.C2.o2.tc	Method	TBLASTX:Cress
Start	5275	End	5500
GI	none	Score	165
Exons	5275..5313, 5299..5499, 5300..5500		

Seq. No.	16324	Seq. ID	OJ990917_01.9B05.C5
Gene No.	34376	Strand	-
Start	1	End	1529
Name	OJ990917_01.9B05.C5.o1.np	Method	AAT/NAP
Start	1	End	1529
GI	4966343	Score	226
Exons	1..154, 1451..1529		
GI Descrip.	(AC006341) Is a member of PF\|00481 Protein phosphatase 2C family. [Arabidopsis thaliana]		

Seq. No.	16324	Seq. ID	OJ990917_01.9B05.C5
Gene No.	34377	Strand	-
Start	1451	End	1529
Name	OJ990917_01.9B05.C5.o1.tm	Method	TBLASTX:Maize
Start	2	End	1504
GI	none	Score	213
Exons	2..160, 3..155, 9..161, 10..156, 41..157, 1451..1504		

Seq. No.	16324	Seq. ID	OJ990917_01.9B05.C5
Gene No.	34377	Strand	-
Start	1451	End	1529
Name	OJ990917_01.9B05.C5.o1.ts	Method	TBLASTX:Soybean
Start	36	End	1529
GI	none	Score	144
Exons	36..155, 38..160, 85..165, 1451..1528, 1452..1529		

Seq. No.	16324	Seq. ID	OJ990917_01.9B05.C5
Gene No.	34377	Strand	-
Start	1451	End	1529
Name	OJ990917_01.9B05.C5.o1.gs	Method	GENSCAN
Start	1451	End	1498
GI	none	Score	.92
Exons	1451..1498		

Seq. No.	16325	Seq. ID	OJ990917_01.9B05.C7
Gene No.	34378	Strand	+
Start	690	End	3726
Name	OJ990917_01.9B05.C7.o1.gs	Method	GENSCAN
Start	690	End	3726
GI	none	Score	.73
Exons	690..824, 1683..1774, 2419..2520, 3229..3363, 3625..3726		

Seq. No.	16325	Seq. ID	OJ990917_01.9B05.C7
Gene No.	34379	Strand	+
Start	6474	End	13198
Name	OJ990917_01.9B05.C7.o3.gs	Method	GENSCAN
Start	6474	End	13198
GI	none	Score	.58
Exons	6474..6530, 6761..6970, 7026..9407, 9471..12472, 12631..13198		

Seq. No.	16325	Seq. ID	OJ990917_01.9B05.C7
Gene No.	34379	Strand	+
Start	6474	End	13198
Name	OJ990917_01.9B05.C7.o1.np	Method	AAT/NAP
Start	7549	End	13195
GI	6498441	Score	6826
Exons	7549..8613, 8944..9407, 9471..9844, 10028..10162, 10337..10575, 10768..11252, 11424..12820, 12914..13195		
GI Descrip.	(AP000815) EST C72786(E2258) corresponds to a region of the predicted gene.; Similar to Sorghum bicolor Gypsy-Ty3 type retrotransposon RetroSor1. (AF098806) [Oryza sativa]		

Seq. No.	16325	Seq. ID	OJ990917_01.9B05.C7
Gene No.	34380	Strand	+
Start	15335	End	28172
Name	OJ990917_01.9B05.C7.o4.np	Method	AAT/NAP
Start	15335	End	28172
GI	5852180	Score	686
Exons	15335..15447, 20018..20067, 21148..21264, 21316..21727, 22427..22475, 28127..28172		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	16325	Seq. ID	OJ990917_01.9B05.C7
Gene No.	34380	Strand	+
Start	15335	End	28172
Name	OJ990917_01.9B05.C7.o3.np	Method	AAT/NAP
Start	18083	End	18563
GI	5042454	Score	248
Exons	18083..18279, 18510..18563		
GI Descrip.	(AC007789) putative polyprotein [Oryza sativa]		

Seq. No.	16325	Seq. ID	OJ990917_01.9B05.C7
Gene No.	34381	Strand	-
Start	4094	End	6261
Name	OJ990917_01.9B05.C7.o2.gs	Method	GENSCAN
Start	4094	End	6261
GI	none	Score	.43
Exons	4094..4256, 4339..5024, 5250..5420, 5514..5633, 5679..5951, 6250..6261		

Seq. No.	16325	Seq. ID	OJ990917_01.9B05.C7

Gene No.	34382	Strand	-
Start	13833	End	17022
Name	OJ990917_01.9B05.C7.o4.gs	Method	GENSCAN
Start	13833	End	17022
GI	none	Score	.96
Exons	13833..15663, 15761..17022		

Seq. No.	16325	Seq. ID	OJ990917_01.9B05.C7
Gene No.	34382	Strand	-
Start	13833	End	17022
Name	OJ990917_01.9B05.C7.o2.np	Method	AAT/NAP
Start	13836	End	17022
GI	6907089	Score	4227
Exons	13836..15663, 15761..17022		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	16325	Seq. ID	OJ990917_01.9B05.C7
Gene No.	34383	Strand	-
Start	24301	End	24988
Name	OJ990917_01.9B05.C7.o5.np	Method	AAT/NAP
Start	24238	End	24988
GI	91209	Score	110
Exons	24238..24784, 24843..24988		
GI Descrip.	proline-rich protein MP2 - mouse (fragment)		

Seq. No.	16325	Seq. ID	OJ990917_01.9B05.C7
Gene No.	34383	Strand	-
Start	24301	End	24988
Name	OJ990917_01.9B05.C7.o6.gs	Method	GENSCAN
Start	24301	End	24934
GI	none	Score	.64
Exons	24301..24625, 24694..24837, 24924..24934		

Seq. No.	16325	Seq. ID	OJ990917_01.9B05.C7
Gene No.	34384	Strand	-
Start	25930	End	28172
Name	OJ990917_01.9B05.C7.o4.tw	Method	TBLASTX:Wheat
Start	594	End	9314
GI	none	Score	58
Exons	594..734, 8828..9001, 8829..9314, 8829..9257, 9023..9283		

Seq. No.	16325	Seq. ID	OJ990917_01.9B05.C7
Gene No.	34384	Strand	-
Start	25930	End	28172
Name	OJ990917_01.9B05.C7.o8.tw	Method	TBLASTX:Wheat
Start	7698	End	8090
GI	none	Score	58
Exons	7698..7745, 7752..7850, 7769..7849, 7817..7978, 7833..8090		

Seq. No.	16325	Seq. ID	OJ990917_01.9B05.C7
Gene No.	34384	Strand	-
Start	25930	End	28172
Name	OJ990917_01.9B05.C7.o5.tm	Method	TBLASTX:Maize
Start	7703	End	7988
GI	none	Score	193
Exons	7703..7987, 7740..7988		

Seq. No.	16325	Seq. ID	OJ990917_01.9B05.C7
Gene No.	34384	Strand	-
Start	25930	End	28172
Name	OJ990917_01.9B05.C7.o6.tw	Method	TBLASTX:Wheat
Start	8098	End	11558
GI	none	Score	223
Exons	8098..8151, 11100..11321, 11124..11345, 11189..11362, 11409..11558, 11420..11557		

Seq. No.	16325	Seq. ID	OJ990917_01.9B05.C7
Gene No.	34384	Strand	-
Start	25930	End	28172
Name	OJ990917_01.9B05.C7.o2.tw	Method	TBLASTX:Wheat
Start	9479	End	9941
GI	none	Score	588
Exons	9479..9940, 9480..9941		

Seq. No.	16325	Seq. ID	OJ990917_01.9B05.C7
Gene No.	34384	Strand	-
Start	25930	End	28172
Name	OJ990917_01.9B05.C7.o3.ts	Method	TBLASTX:Soybean
Start	9519	End	9884
GI	none	Score	117
Exons	9519..9743, 9750..9884		

Seq. No.	16325	Seq. ID	OJ990917_01.9B05.C7
Gene No.	34384	Strand	-
Start	25930	End	28172
Name	OJ990917_01.9B05.C7.o1.tm	Method	TBLASTX:Maize
Start	9609	End	9965
GI	none	Score	392
Exons	9609..9965, 9644..9955, 9849..9965		

Seq. No.	16325	Seq. ID	OJ990917_01.9B05.C7
Gene No.	34384	Strand	-
Start	25930	End	28172
Name	OJ990917_01.9B05.C7.o3.tm	Method	TBLASTX:Maize
Start	9992	End	10376
GI	none	Score	315
Exons	9992..10078, 9993..10376, 10136..10357		

Seq. No.	16325	Seq. ID	OJ990917_01.9B05.C7
Gene No.	34384	Strand	-
Start	25930	End	28172
Name	OJ990917_01.9B05.C7.o3.tw	Method	TBLASTX:Wheat
Start	10050	End	10474
GI	none	Score	436
Exons	10050..10469, 10148..10474		

Seq. No.	16325	Seq. ID	OJ990917_01.9B05.C7
Gene No.	34384	Strand	-
Start	25930	End	28172
Name	OJ990917_01.9B05.C7.o1.ts	Method	TBLASTX:Soybean
Start	10131	End	10499
GI	none	Score	274
Exons	10131..10499, 10145..10288		

Seq. No.	16325	Seq. ID	OJ990917_01.9B05.C7
Gene No.	34384	Strand	-
Start	25930	End	28172
Name	OJ990917_01.9B05.C7.o2.ts	Method	TBLASTX:Soybean
Start	11247	End	11813
GI	5666795	Score	68
Exons	11247..11345, 11421..11558, 11613..11813		
GI Descrip.	4206306 2.0e-10 (AF049110) prpol [Zea mays]		

Seq. No.	16325	Seq. ID	OJ990917_01.9B05.C7
Gene No.	34384	Strand	-
Start	25930	End	28172
Name	OJ990917_01.9B05.C7.o12.tw	Method	TBLASTX:Wheat
Start	11561	End	11873
GI	none	Score	193
Exons	11561..11737, 11574..11762, 11613..11873		

Seq. No.	16325	Seq. ID	OJ990917_01.9B05.C7
Gene No.	34384	Strand	-
Start	25930	End	28172
Name	OJ990917_01.9B05.C7.o2.tm	Method	TBLASTX:Maize
Start	12066	End	12389
GI	none	Score	362
Exons	12066..12389, 12095..12376		

Seq. No.	16325	Seq. ID	OJ990917_01.9B05.C7
Gene No.	34384	Strand	-
Start	25930	End	28172
Name	OJ990917_01.9B05.C7.o5.tw	Method	TBLASTX:Wheat
Start	12203	End	12584
GI	none	Score	374
Exons	12203..12259, 12204..12584, 12207..12458, 12305..12553		

Seq. No.	16325	Seq. ID	OJ990917_01.9B05.C7
Gene No.	34384	Strand	-
Start	25930	End	28172
Name	OJ990917_01.9B05.C7.o11.tw	Method	TBLASTX:Wheat
Start	12585	End	13186
GI	none	Score	38
Exons	12585..12605, 12586..12615, 12608..12868, 12610..12867, 12624..12875, 12632..13000, 13060..13182, 13061..13186		

Seq. No.	16325	Seq. ID	OJ990917_01.9B05.C7
Gene No.	34384	Strand	-
Start	25930	End	28172
Name	OJ990917_01.9B05.C7.o9.tw	Method	TBLASTX:Wheat
Start	18738	End	19139
GI	none	Score	45
Exons	18738..18833, 18738..18902, 18739..18855, 18909..19139, 18910..19083, 18945..19139		

Seq. No.	16325	Seq. ID	OJ990917_01.9B05.C7
Gene No.	34384	Strand	-
Start	25930	End	28172
Name	OJ990917_01.9B05.C7.o7.gs	Method	GENSCAN
Start	25930	End	28033
GI	none	Score	.81

Exons	25930..26519, 26664..26818, 26951..27029, 27345..27521, 27683..27817, 27875..28033		
Seq. No.	16325	Seq. ID	OJ990917_01.9B05.C7
Gene No.	34384	Strand	-
Start	25930	End	28172
Name	OJ990917_01.9B05.C7.o1.tw	Method	TBLASTX:Wheat
Start	26005	End	27326
GI	none	Score	110
Exons	26005..26097, 26086..26166, 26173..26307, 26180..26320, 26191..26319, 26267..26362, 26299..26358, 26364..26429, 26365..26409, 26404..26811, 26420..26812, 26872..26910, 26905..27105, 26906..27106, 26907..27107, 27108..27320, 27109..27321, 27141..27326		
Seq. No.	16325	Seq. ID	OJ990917_01.9B05.C7
Gene No.	34384	Strand	-
Start	25930	End	28172
Name	OJ990917_01.9B05.C7.o6.np	Method	AAT/NAP
Start	26489	End	28172
GI	6742729	Score	2308
Exons	26489..28172		
GI Descrip.	(AF121139) RIM2 protein [Oryza sativa]		
Seq. No.	16325	Seq. ID	OJ990917_01.9B05.C7
Gene No.	34384	Strand	-
Start	25930	End	28172
Name	OJ990917_01.9B05.C7.o1.tc	Method	TBLASTX:Cress
Start	26586	End	27034
GI	none	Score	111
Exons	26586..26762, 26587..26736, 26587..26811, 26591..26812, 26905..27030, 26906..27034, 26915..27034		
Seq. No.	16325	Seq. ID	OJ990917_01.9B05.C7
Gene No.	34384	Strand	-
Start	25930	End	28172
Name	OJ990917_01.9B05.C7.o4.tm	Method	TBLASTX:Maize
Start	26965	End	27344
GI	none	Score	71
Exons	26965..27105, 26993..27091, 27117..27278, 27118..27267, 27294..27344		
Seq. No.	16325	Seq. ID	OJ990917_01.9B05.C7
Gene No.	34384	Strand	-
Start	25930	End	28172
Name	OJ990917_01.9B05.C7.o7.tw	Method	TBLASTX:Wheat
Start	27327	End	27732
GI	none	Score	141
Exons	27327..27395, 27439..27642, 27439..27636, 27509..27637, 27618..27659, 27631..27663, 27669..27731, 27682..27732		
Seq. No.	16325	Seq. ID	OJ990917_01.9B05.C7
Gene No.	34384	Strand	-
Start	25930	End	28172
Name	OJ990917_01.9B05.C7.o10.tw	Method	TBLASTX:Wheat
Start	27871	End	28171
GI	none	Score	89

Exons	27871..28005, 27872..28030, 27873..28028, 28105..28170, 28106..28171		
Seq. No.	16326	Seq. ID	OJ990917_01.9B05.C8
Gene No.	34385	Strand	-
Start	25	End	2326
Name	OJ990917_01.9B05.C8.o1.gs	Method	GENSCAN
Start	25	End	2326
GI	none	Score	.49
Exons	25..188, 297..385, 1381..1466, 1507..1732, 1996..2049, 2273..2326		
Seq. No.	16326	Seq. ID	OJ990917_01.9B05.C8
Gene No.	34385	Strand	-
Start	25	End	2326
Name	OJ990917_01.9B05.C8.o1.np	Method	AAT/NAP
Start	56	End	1391
GI	5852182	Score	435
Exons	56..385, 1254..1391		
GI Descrip.	(AL117265) zhb0012.1 [Oryza sativa]		
Seq. No.	16326	Seq. ID	OJ990917_01.9B05.C8
Gene No.	34386	Strand	-
Start	5064	End	5909
Name	OJ990917_01.9B05.C8.o2.gs	Method	GENSCAN
Start	5064	End	5909
GI	none	Score	.87
Exons	5064..5909		
Seq. No.	16327	Seq. ID	OJ990917_01.9B05.C9
Gene No.	34387	Strand	+
Start	1848	End	8940
Name	OJ990917_01.9B05.C9.o1.gs	Method	GENSCAN
Start	1848	End	7621
GI	none	Score	.61
Exons	1848..1992, 2214..2525, 2904..2930, 4300..4650, 4807..5012, 5404..5709, 5792..5866, 5906..6121, 6301..6384, 6671..7457, 7533..7621		
Seq. No.	16327	Seq. ID	OJ990917_01.9B05.C9
Gene No.	34387	Strand	+
Start	1848	End	8940
Name	OJ990917_01.9B05.C9.o1.np	Method	AAT/NAP
Start	6898	End	8940
GI	4680199	Score	499
Exons	6898..7457, 7533..7632, 8850..8940		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		
Seq. No.	16327	Seq. ID	OJ990917_01.9B05.C9
Gene No.	34388	Strand	-
Start	8375	End	8670
Name	OJ990917_01.9B05.C9.o1.tw	Method	TBLASTX:Wheat
Start	7094	End	7459
GI	none	Score	290
Exons	7094..7459, 7145..7459		
Seq. No.	16327	Seq. ID	OJ990917_01.9B05.C9

Gene No.	34388	Strand	-
Start	8375	End	8670
Name	OJ990917_01.9B05.C9.o1.tm	Method	TBLASTX:Maize
Start	7160	End	7609
GI	none	Score	215
Exons	7160..7432, 7166..7396, 7312..7416, 7528..7608, 7532..7609		

Seq. No.	16327	Seq. ID	OJ990917_01.9B05.C9
Gene No.	34388	Strand	-
Start	8375	End	8670
Name	OJ990917_01.9B05.C9.o1.ts	Method	TBLASTX:Soybean
Start	7195	End	7612
GI	none	Score	188
Exons	7195..7260, 7205..7459, 7321..7458, 7531..7608, 7532..7612		

Seq. No.	16327	Seq. ID	OJ990917_01.9B05.C9
Gene No.	34388	Strand	-
Start	8375	End	8670
Name	OJ990917_01.9B05.C9.o2.np	Method	AAT/NAP
Start	8375	End	8670
GI	132809	Score	63
Exons	8375..8670		
GI Descrip.	CHLOROPLAST 50S RIBOSOMAL PROTEIN L23 gi\|71302\|pir\|\|R5WT23 ribosomal protein L23 - wheat chloroplast gi\|12370\|emb\|CAA31328\| (X12850) ribosomal protein L23 (AA 1 - 93) [Triticum aestivum] gi\|577557\|emb\|CAA55027\| (X78185) large ribosomal protein 23 [Hordeum vulgare]		

Seq. No.	16328	Seq. ID	OJ990917_01.9B05.C11
Gene No.	34389	Strand	+
Start	116	End	398
Name	OJ990917_01.9B05.C11.o1.gs	Method	GENSCAN
Start	116	End	398
GI	none	Score	.61
Exons	116..268, 363..398		

Seq. No.	16328	Seq. ID	OJ990917_01.9B05.C11
Gene No.	34390	Strand	+
Start	8595	End	19703
Name	OJ990917_01.9B05.C11.o3.gs	Method	GENSCAN
Start	8595	End	19703
GI	none	Score	.6
Exons	8595..8779, 10413..10693, 10910..11023, 12163..12368, 13376..13474, 13563..13625, 15412..15699, 15795..15968, 16079..16397, 16486..16562, 16635..16704, 16915..17141, 17263..17388, 17476..17771, 17859..18030, 18125..18223, 18296..18427, 19244..19404, 19643..19703		

Seq. No.	16328	Seq. ID	OJ990917_01.9B05.C11
Gene No.	34390	Strand	+
Start	8595	End	19703
Name	OJ990917_01.9B05.C11.o2.np	Method	AAT/NAP
Start	15069	End	18430
GI	6539580	Score	727
Exons	15069..15699, 15795..15979, 16093..16834, 17042..17358, 17620..17760, 17851..18030, 18140..18223, 18296..18430		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	16328	Seq. ID	OJ990917_01.9B05.C11
Gene No.	34390	Strand	+
Start	8595	End	19703
Name	OJ990917_01.9B05.C11.o3.np	Method	AAT/NAP
Start	15096	End	18430
GI	6539580	Score	726
Exons	15096..15699, 15795..15979, 16093..16834, 17042..17358, 17620..17760, 17851..18030, 18140..18223, 18296..18430		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	16328	Seq. ID	OJ990917_01.9B05.C11
Gene No.	34391	Strand	-
Start	2383	End	5002
Name	OJ990917_01.9B05.C11.o2.gs	Method	GENSCAN
Start	2383	End	5002
GI	none	Score	.46
Exons	2383..2600, 2669..2798, 3150..3288, 4323..4410, 4954..5002		

Seq. No.	16328	Seq. ID	OJ990917_01.9B05.C11
Gene No.	34392	Strand	-
Start	19875	End	21549
Name	OJ990917_01.9B05.C11.o4.np	Method	AAT/NAP
Start	19875	End	21549
GI	6539581	Score	1117
Exons	19875..19982, 20063..21549		
GI Descrip.	(AP000837) Similar to Arabidopsis thaliana DNA chromosome 4, BAC clone F20D10; hypothetical protein (AL035538) [Oryza sativa]		

Seq. No.	16328	Seq. ID	OJ990917_01.9B05.C11
Gene No.	34392	Strand	-
Start	19875	End	21549
Name	OJ990917_01.9B05.C11.o4.gs	Method	GENSCAN
Start	20099	End	21445
GI	none	Score	.83
Exons	20099..21445		

Seq. No.	16328	Seq. ID	OJ990917_01.9B05.C11
Gene No.	34393	Strand	-
Start	23087	End	30945
Name	OJ990917_01.9B05.C11.o1.tw	Method	TBLASTX:Wheat
Start	21047	End	21485
GI	none	Score	64
Exons	21047..21289, 21048..21293, 21290..21484, 21309..21485		

Seq. No.	16328	Seq. ID	OJ990917_01.9B05.C11
Gene No.	34393	Strand	-
Start	23087	End	30945
Name	OJ990917_01.9B05.C11.o1.ts	Method	TBLASTX:Soybean
Start	21200	End	21556
GI	none	Score	74
Exons	21200..21271, 21299..21556, 21312..21473		

Seq. No.	16328	Seq. ID	OJ990917_01.9B05.C11
Gene No.	34393	Strand	-
Start	23087	End	30945
Name	OJ990917_01.9B05.C11.o1.tm	Method	TBLASTX:Maize

Start	21321	End	21550
GI	none	Score	103
Exons	21321..21536, 21335..21550, 21353..21550		

Seq. No.	16328	Seq. ID	OJ990917_01.9B05.C11
Gene No.	34393	Strand	-
Start	23087	End	30945
Name	OJ990917_01.9B05.C11.o5.gs	Method	GENSCAN
Start	23087	End	30945
GI	none	Score	.55
Exons	23087..23140, 23639..23770, 24044..24094, 24590..24771, 24849..24960, 27199..27487, 27570..27740, 27819..28222, 28442..28705, 28792..29103, 29162..29342, 29387..29864, 30563..30945		

Seq. No.	16329	Seq. ID	OJ990917_01.9B05.C12
Gene No.	34394	Strand	+
Start	5364	End	16133
Name	OJ990917_01.9B05.C12.o3.np	Method	AAT/NAP
Start	5364	End	16133
GI	5091523	Score	165
Exons	5364..5418, 6377..6532, 7605..7838, 7987..8286, 15866..16133		
GI Descrip.	(AB023482) Similar to Gallus gallus mRNA for attachment region binding protein (ARBP).(Y14166) [Oryza sativa]		

Seq. No.	16329	Seq. ID	OJ990917_01.9B05.C12
Gene No.	34394	Strand	+
Start	5364	End	16133
Name	OJ990917_01.9B05.C12.o2.np	Method	AAT/NAP
Start	7362	End	8491
GI	3928543	Score	62
Exons	7362..7546, 8389..8491		
GI Descrip.	(AB016819) UDP-glucose glucosyltransferase [Arabidopsis thaliana]		

Seq. No.	16329	Seq. ID	OJ990917_01.9B05.C12
Gene No.	34394	Strand	+
Start	5364	End	16133
Name	OJ990917_01.9B05.C12.o2.gs	Method	GENSCAN
Start	7454	End	8269
GI	none	Score	.45
Exons	7454..7590, 7756..8269		

Seq. No.	16329	Seq. ID	OJ990917_01.9B05.C12
Gene No.	34395	Strand	+
Start	20600	End	20711
Name	OJ990917_01.9B05.C12.o2.gp	Method	AAT/GAP
Start	20600	End	20711
GI	72793_1.R1084	Score	134
Exons	20600..20711		
GI Descrip.	'6041757/gb\|AC011806.1\|AC011806 2.0e-27 Genomic Sequence For Oryza sativa Clone 10P20, Lemont Strain, Complete Sequence, complete sequence'		

Seq. No.	16329	Seq. ID	OJ990917_01.9B05.C12
Gene No.	34396	Strand	-
Start	358	End	6665

Name	OJ990917_01.9B05.C12.o1.np	Method	AAT/NAP
Start	334	End	3577
GI	4680203	Score	1950
Exons	334..1261, 1538..1781, 1929..3577		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	16329	Seq. ID	OJ990917_01.9B05.C12
Gene No.	34396	Strand	-
Start	358	End	6665
Name	OJ990917_01.9B05.C12.o1.gs	Method	GENSCAN
Start	358	End	6665
GI	none	Score	.71
Exons	358..1225, 1227..1740, 1762..1887, 1976..3577, 6455..6665		

Seq. No.	16329	Seq. ID	OJ990917_01.9B05.C12
Gene No.	34397	Strand	-
Start	8773	End	16296
Name	OJ990917_01.9B05.C12.o1.tw	Method	TBLASTX:Wheat
Start	412	End	1654
GI	none	Score	43
Exons	412..531, 413..532, 532..636, 533..637, 655..708, 709..759, 774..917, 775..915, 913..1113, 1132..1221, 1133..1228, 1217..1654, 1221..1610		

Seq. No.	16329	Seq. ID	OJ990917_01.9B05.C12
Gene No.	34397	Strand	-
Start	8773	End	16296
Name	OJ990917_01.9B05.C12.o2.ts	Method	TBLASTX:Soybean
Start	475	End	723
GI	none	Score	101
Exons	475..723, 539..721		

Seq. No.	16329	Seq. ID	OJ990917_01.9B05.C12
Gene No.	34397	Strand	-
Start	8773	End	16296
Name	OJ990917_01.9B05.C12.o2.tc	Method	TBLASTX:Cress
Start	949	End	1367
GI	none	Score	123
Exons	949..1113, 1132..1221, 1217..1363, 1221..1367		

Seq. No.	16329	Seq. ID	OJ990917_01.9B05.C12
Gene No.	34397	Strand	-
Start	8773	End	16296
Name	OJ990917_01.9B05.C12.o2.tm	Method	TBLASTX:Maize
Start	1301	End	1613
GI	none	Score	146
Exons	1301..1612, 1317..1613		

Seq. No.	16329	Seq. ID	OJ990917_01.9B05.C12
Gene No.	34397	Strand	-
Start	8773	End	16296
Name	OJ990917_01.9B05.C12.o5.ts	Method	TBLASTX:Soybean
Start	1310	End	1693
GI	none	Score	68
Exons	1310..1555, 1311..1421, 1565..1693		

Seq. No.	16329	Seq. ID	OJ990917_01.9B05.C12

Gene No.	34397	Strand	-
Start	8773	End	16296
Name	OJ990917_01.9B05.C12.o3.tm	Method	TBLASTX:Maize
Start	1793	End	1973
GI	none	Score	82
Exons	1793..1972, 1794..1973		

Seq. No.	16329	Seq. ID	OJ990917_01.9B05.C12
Gene No.	34397	Strand	-
Start	8773	End	16296
Name	OJ990917_01.9B05.C12.o4.ts	Method	TBLASTX:Soybean
Start	2085	End	2318
GI	none	Score	76
Exons	2085..2318, 2094..2294		

Seq. No.	16329	Seq. ID	OJ990917_01.9B05.C12
Gene No.	34397	Strand	-
Start	8773	End	16296
Name	OJ990917_01.9B05.C12.o1.tm	Method	TBLASTX:Maize
Start	2154	End	2597
GI	none	Score	72
Exons	2154..2348, 2170..2319, 2355..2597		

Seq. No.	16329	Seq. ID	OJ990917_01.9B05.C12
Gene No.	34397	Strand	-
Start	8773	End	16296
Name	OJ990917_01.9B05.C12.o3.tw	Method	TBLASTX:Wheat
Start	2193	End	2489
GI	none	Score	62
Exons	2193..2369, 2194..2295, 2394..2489, 2407..2487		

Seq. No.	16329	Seq. ID	OJ990917_01.9B05.C12
Gene No.	34397	Strand	-
Start	8773	End	16296
Name	OJ990917_01.9B05.C12.o1.tc	Method	TBLASTX:Cress
Start	2442	End	2789
GI	none	Score	95
Exons	2442..2789, 2443..2595, 2635..2784		

Seq. No.	16329	Seq. ID	OJ990917_01.9B05.C12
Gene No.	34397	Strand	-
Start	8773	End	16296
Name	OJ990917_01.9B05.C12.o3.ts	Method	TBLASTX:Soybean
Start	2523	End	2790
GI	none	Score	122
Exons	2523..2786, 2524..2790		

Seq. No.	16329	Seq. ID	OJ990917_01.9B05.C12
Gene No.	34397	Strand	-
Start	8773	End	16296
Name	OJ990917_01.9B05.C12.o2.tw	Method	TBLASTX:Wheat
Start	2538	End	3194
GI	none	Score	90
Exons	2538..2663, 2670..2789, 2683..2793, 2802..3194, 2803..2985, 3070..3129		

Seq. No.	16329	Seq. ID	OJ990917_01.9B05.C12

Gene No.	34397	Strand	-
Start	8773	End	16296
Name	OJ990917_01.9B05.C12.o1.ts	Method	TBLASTX:Soybean
Start	2809	End	3146
GI	none	Score	190
Exons	2809..3093, 2811..3092, 2860..3114, 3091..3141, 3099..3146		

Seq. No.	16329	Seq. ID	OJ990917_01.9B05.C12
Gene No.	34397	Strand	-
Start	8773	End	16296
Name	OJ990917_01.9B05.C12.o3.gs	Method	GENSCAN
Start	8773	End	16296
GI	none	Score	.54
Exons	8773..8819, 9516..9617, 9649..9671, 9922..10056, 10098..10134, 13078..13139, 13346..13476, 14886..14928, 15831..16085, 16139..16296		

Seq. No.	16330	Seq. ID	OJ990917_01.9B05.C13
Gene No.	34398	Strand	+
Start	122	End	4781
Name	OJ990917_01.9B05.C13.o1.gs	Method	GENSCAN
Start	122	End	4781
GI	none	Score	.76
Exons	122..140, 1291..1351, 2224..2450, 2764..2987, 3015..3910, 3971..4781		

Seq. No.	16330	Seq. ID	OJ990917_01.9B05.C13
Gene No.	34399	Strand	+
Start	4801	End	6351
Name	OJ990917_01.9B05.C13.o2.np	Method	AAT/NAP
Start	4801	End	6348
GI	5902445	Score	1303
Exons	4801..5064, 5104..6348		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	16330	Seq. ID	OJ990917_01.9B05.C13
Gene No.	34399	Strand	+
Start	4801	End	6351
Name	OJ990917_01.9B05.C13.o2.gs	Method	GENSCAN
Start	5212	End	6351
GI	none	Score	.91
Exons	5212..5346, 5545..6351		

Seq. No.	16330	Seq. ID	OJ990917_01.9B05.C13
Gene No.	34400	Strand	-
Start	545	End	2263
Name	OJ990917_01.9B05.C13.o1.np	Method	AAT/NAP
Start	545	End	2263
GI	6721512	Score	60
Exons	545..571, 1976..2133, 2161..2263		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	16330	Seq. ID	OJ990917_01.9B05.C13
Gene No.	34401	Strand	
Start	3636	End	4034
Name	OJ990917_01.9B05.C13.o3.tm	Method	TBLASTX:Maize
Start	3636	End	3872

GI	none	Score	181
Exons	3636..3872		

Seq. No.	16330	Seq. ID	OJ990917_01.9B05.C13
Gene No.	34401	Strand	
Start	3636	End	4034
Name	OJ990917_01.9B05.C13.o3.tw	Method	TBLASTX:Wheat
Start	3636	End	4034
GI	none	Score	241
Exons	3636..4034, 3744..3779, 3761..3943		

Seq. No.	16330	Seq. ID	OJ990917_01.9B05.C13
Gene No.	34402	Strand	
Start	5224	End	5709
Name	OJ990917_01.9B05.C13.o1.tm	Method	TBLASTX:Maize
Start	5224	End	5529
GI	none	Score	325
Exons	5224..5529, 5262..5528		

Seq. No.	16330	Seq. ID	OJ990917_01.9B05.C13
Gene No.	34402	Strand	
Start	5224	End	5709
Name	OJ990917_01.9B05.C13.o2.tw	Method	TBLASTX:Wheat
Start	5355	End	5709
GI	none	Score	340
Exons	5355..5396, 5356..5709, 5359..5601, 5457..5705		

Seq. No.	16330	Seq. ID	OJ990917_01.9B05.C13
Gene No.	34403	Strand	
Start	5731	End	6339
Name	OJ990917_01.9B05.C13.o1.tw	Method	TBLASTX:Wheat
Start	5731	End	6339
GI	none	Score	342
Exons	5731..6183, 5745..5834, 5880..5987, 6208..6339, 6213..6338		

Seq. No.	16330	Seq. ID	OJ990917_01.9B05.C13
Gene No.	34403	Strand	
Start	5731	End	6339
Name	OJ990917_01.9B05.C13.o2.tm	Method	TBLASTX:Maize
Start	5953	End	6216
GI	none	Score	191
Exons	5953..6216		

Seq. No.	16331	Seq. ID	OJ990917_01.9B05.C14
Gene No.	34404	Strand	+
Start	187	End	599
Name	OJ990917_01.9B05.C14.o1.gs	Method	GENSCAN
Start	187	End	599
GI	none	Score	.92
Exons	187..241, 328..599		

Seq. No.	16331	Seq. ID	OJ990917_01.9B05.C14
Gene No.	34405	Strand	-
Start	766	End	873
Name	OJ990917_01.9B05.C14.o2.gs	Method	GENSCAN
Start	766	End	873
GI	none	Score	.87

Exons	766..873		
Seq. No.	16332	Seq. ID	OJ990917_08.9B08.C1
Gene No.	34406	Strand	+
Start	132	End	1013
Name	OJ990917_08.9B08.C1.o1.gs	Method	GENSCAN
Start	132	End	1013
GI	none	Score	.66
Exons	132..224, 444..1013		
Seq. No.	16332	Seq. ID	OJ990917_08.9B08.C1
Gene No.	34407	Strand	-
Start	1	End	2541
Name	OJ990917_08.9B08.C1.o1.np	Method	AAT/NAP
Start	1	End	2541
GI	4680179	Score	395
Exons	1..332, 2510..2541		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		
Seq. No.	16332	Seq. ID	OJ990917_08.9B08.C1
Gene No.	34407	Strand	-
Start	1	End	2541
Name	OJ990917_08.9B08.C1.o1.tm	Method	TBLASTX:Maize
Start	41	End	332
GI	none	Score	199
Exons	41..331, 45..332		
Seq. No.	16332	Seq. ID	OJ990917_08.9B08.C1
Gene No.	34407	Strand	-
Start	1	End	2541
Name	OJ990917_08.9B08.C1.o1.ts	Method	TBLASTX:Soybean
Start	131	End	328
GI	none	Score	107
Exons	131..328, 131..328		
Seq. No.	16332	Seq. ID	OJ990917_08.9B08.C1
Gene No.	34407	Strand	-
Start	1	End	2541
Name	OJ990917_08.9B08.C1.o1.tw	Method	TBLASTX:Wheat
Start	179	End	332
GI	none	Score	136
Exons	179..331, 180..332		
Seq. No.	16332	Seq. ID	OJ990917_08.9B08.C1
Gene No.	34407	Strand	-
Start	1	End	2541
Name	OJ990917_08.9B08.C1.o2.np	Method	AAT/NAP
Start	1786	End	1959
GI	6063554	Score	108
Exons	1786..1959		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		
Seq. No.	16333	Seq. ID	OJ990917_08.9B08.C2
Gene No.	34408	Strand	+
Start	76	End	239

Name	OJ990917_08.9B08.C2.o1.gs	Method	GENSCAN
Start	76	End	239
GI	none	Score	.9
Exons	76..239		

Seq. No.	16333	Seq. ID	OJ990917_08.9B08.C2
Gene No.	34409	Strand	-
Start	505	End	3005
Name	OJ990917_08.9B08.C2.o2.gs	Method	GENSCAN
Start	505	End	2955
GI	none	Score	.75
Exons	505..2034, 2242..2955		

Seq. No.	16333	Seq. ID	OJ990917_08.9B08.C2
Gene No.	34409	Strand	-
Start	505	End	3005
Name	OJ990917_08.9B08.C2.o1.np	Method	AAT/NAP
Start	508	End	3005
GI	4680179	Score	3729
Exons	508..3005		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	16333	Seq. ID	OJ990917_08.9B08.C2
Gene No.	34409	Strand	-
Start	505	End	3005
Name	OJ990917_08.9B08.C2.o5.tw	Method	TBLASTX:Wheat
Start	553	End	886
GI	none	Score	144
Exons	553..885, 605..886		

Seq. No.	16333	Seq. ID	OJ990917_08.9B08.C2
Gene No.	34409	Strand	-
Start	505	End	3005
Name	OJ990917_08.9B08.C2.o1.tm	Method	TBLASTX:Maize
Start	748	End	1333
GI	none	Score	89
Exons	748..1173, 749..946, 769..1014, 1010..1174, 1171..1332, 1178..1333		

Seq. No.	16333	Seq. ID	OJ990917_08.9B08.C2
Gene No.	34409	Strand	-
Start	505	End	3005
Name	OJ990917_08.9B08.C2.o1.tw	Method	TBLASTX:Wheat
Start	886	End	1512
GI	none	Score	44
Exons	886..1512, 887..946, 1007..1456		

Seq. No.	16333	Seq. ID	OJ990917_08.9B08.C2
Gene No.	34409	Strand	-
Start	505	End	3005
Name	OJ990917_08.9B08.C2.o3.tm	Method	TBLASTX:Maize
Start	1381	End	1671
GI	none	Score	293
Exons	1381..1671, 1385..1657, 1573..1671		

Seq. No.	16333	Seq. ID	OJ990917_08.9B08.C2
Gene No.	34409	Strand	-

Start	505	End	3005
Name	OJ990917_08.9B08.C2.o2.ts	Method	TBLASTX:Soybean
Start	1471	End	1731
GI	none	Score	189
Exons	1471..1731, 1472..1720		

Seq. No.	16333	Seq. ID	OJ990917_08.9B08.C2
Gene No.	34409	Strand	-
Start	505	End	3005
Name	OJ990917_08.9B08.C2.o1.tc	Method	TBLASTX:Cress
Start	1495	End	1821
GI	none	Score	87
Exons	1495..1638, 1496..1636, 1639..1821		

Seq. No.	16333	Seq. ID	OJ990917_08.9B08.C2
Gene No.	34409	Strand	-
Start	505	End	3005
Name	OJ990917_08.9B08.C2.o2.tw	Method	TBLASTX:Wheat
Start	1518	End	2058
GI	none	Score	120
Exons	1518..1799, 1519..2058, 1523..1894		

Seq. No.	16333	Seq. ID	OJ990917_08.9B08.C2
Gene No.	34409	Strand	-
Start	505	End	3005
Name	OJ990917_08.9B08.C2.o3.tw	Method	TBLASTX:Wheat
Start	2086	End	2511
GI	none	Score	221
Exons	2086..2394, 2086..2511, 2093..2509		

Seq. No.	16333	Seq. ID	OJ990917_08.9B08.C2
Gene No.	34409	Strand	-
Start	505	End	3005
Name	OJ990917_08.9B08.C2.o2.tm	Method	TBLASTX:Maize
Start	2191	End	2631
GI	none	Score	232
Exons	2191..2232, 2224..2631, 2255..2578		

Seq. No.	16333	Seq. ID	OJ990917_08.9B08.C2
Gene No.	34409	Strand	-
Start	505	End	3005
Name	OJ990917_08.9B08.C2.o3.ts	Method	TBLASTX:Soybean
Start	2257	End	2505
GI	none	Score	206
Exons	2257..2505		

Seq. No.	16333	Seq. ID	OJ990917_08.9B08.C2
Gene No.	34409	Strand	-
Start	505	End	3005
Name	OJ990917_08.9B08.C2.o4.tw	Method	TBLASTX:Wheat
Start	2512	End	2775
GI	none	Score	227
Exons	2512..2775, 2513..2773		

Seq. No.	16333	Seq. ID	OJ990917_08.9B08.C2
Gene No.	34409	Strand	-
Start	505	End	3005

Name	OJ990917_08.9B08.C2.o1.ts	Method	TBLASTX:Soybean
Start	2527	End	2922
GI	none	Score	163
Exons	2527..2778, 2555..2770, 2833..2886, 2843..2884, 2890..2922, 2890..2922		

Seq. No.	16333	Seq. ID	OJ990917_08.9B08.C2
Gene No.	34409	Strand	-
Start	505	End	3005
Name	OJ990917_08.9B08.C2.o4.tm	Method	TBLASTX:Maize
Start	2632	End	2958
GI	none	Score	108
Exons	2632..2778, 2839..2958		

Seq. No.	16333	Seq. ID	OJ990917_08.9B08.C2
Gene No.	34409	Strand	-
Start	505	End	3005
Name	OJ990917_08.9B08.C2.o6.tw	Method	TBLASTX:Wheat
Start	2811	End	2958
GI	none	Score	130
Exons	2811..2915, 2819..2956, 2836..2958, 2840..2956		

Seq. No.	16334	Seq. ID	OJ990917_08.9B08.C3
Gene No.	34410	Strand	-
Start	1	End	1466
Name	OJ990917_08.9B08.C3.o1.np	Method	AAT/NAP
Start	1	End	1466
GI	4680179	Score	1242
Exons	1..1466		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	16334	Seq. ID	OJ990917_08.9B08.C3
Gene No.	34410	Strand	-
Start	1	End	1466
Name	OJ990917_08.9B08.C3.o1.gs	Method	GENSCAN
Start	334	End	1429
GI	none	Score	.83
Exons	334..1429		

Seq. No.	16334	Seq. ID	OJ990917_08.9B08.C3
Gene No.	34411	Strand	-
Start	1689	End	2483
Name	OJ990917_08.9B08.C3.o2.tw	Method	TBLASTX:Wheat
Start	14	End	334
GI	none	Score	54
Exons	14..334, 65..334		

Seq. No.	16334	Seq. ID	OJ990917_08.9B08.C3
Gene No.	34411	Strand	-
Start	1689	End	2483
Name	OJ990917_08.9B08.C3.o1.tw	Method	TBLASTX:Wheat
Start	668	End	1018
GI	none	Score	307
Exons	668..1018		

Seq. No.	16334	Seq. ID	OJ990917_08.9B08.C3
Gene No.	34411	Strand	-

Start	1689	End	2483
Name	OJ990917_08.9B08.C3.o1.tm	Method	TBLASTX:Maize
Start	713	End	1018
GI	none	Score	243
Exons	713..1018		

Seq. No.	16334	Seq. ID	OJ990917_08.9B08.C3
Gene No.	34411	Strand	-
Start	1689	End	2483
Name	OJ990917_08.9B08.C3.o3.tw	Method	TBLASTX:Wheat
Start	1070	End	1268
GI	none	Score	123
Exons	1070..1267, 1071..1268		

Seq. No.	16334	Seq. ID	OJ990917_08.9B08.C3
Gene No.	34411	Strand	-
Start	1689	End	2483
Name	OJ990917_08.9B08.C3.o2.gs	Method	GENSCAN
Start	1689	End	2483
GI	none	Score	.96
Exons	1689..2483		

Seq. No.	16334	Seq. ID	OJ990917_08.9B08.C3
Gene No.	34411	Strand	-
Start	1689	End	2483
Name	OJ990917_08.9B08.C3.o2.np	Method	AAT/NAP
Start	1692	End	2483
GI	4512231	Score	1313
Exons	1692..2483		
GI Descrip.	(AB014741) ORF0 protein [Oryza sativa]		

Seq. No.	16335	Seq. ID	OJ990917_08.9B08.C5
Gene No.	34412	Strand	-
Start	515	End	592
Name	OJ990917_08.9B08.C5.o1.gs	Method	GENSCAN
Start	515	End	592
GI	none	Score	.4
Exons	515..592		

Seq. No.	16336	Seq. ID	OJ990917_08.9B08.C6
Gene No.	34413	Strand	+
Start	1	End	434
Name	OJ990917_08.9B08.C6.o1.np	Method	AAT/NAP
Start	1	End	434
GI	6560763	Score	137
Exons	1..46, 209..434		
GI Descrip.	(AC010155) F3M18.14 [Arabidopsis thaliana]		

Seq. No.	16336	Seq. ID	OJ990917_08.9B08.C6
Gene No.	34413	Strand	+
Start	1	End	434
Name	OJ990917_08.9B08.C6.o1.tw	Method	TBLASTX:Wheat
Start	204	End	393
GI	none	Score	236
Exons	204..290, 211..393, 214..393		

Seq. No.	16337	Seq. ID	OJ990917_08.9B08.C7

Gene No.	34414	Strand	+
Start	721	End	1584
Name	OJ990917_08.9B08.C7.o1.gp	Method	AAT/GAP
Start	721	End	1104
GI	uC-osflcyp033a04b1	Score	693
Exons	721..1104		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	16337	Seq. ID	OJ990917_08.9B08.C7
Gene No.	34414	Strand	+
Start	721	End	1584
Name	OJ990917_08.9B08.C7.o1.gs	Method	GENSCAN
Start	901	End	1584
GI	none	Score	.79
Exons	901..976, 1547..1584		

Seq. No.	16337	Seq. ID	OJ990917_08.9B08.C7
Gene No.	34415	Strand	+
Start	2381	End	4405
Name	OJ990917_08.9B08.C7.o2.np	Method	AAT/NAP
Start	2381	End	4405
GI	5852179	Score	224
Exons	2381..2626, 2701..2912, 4370..4405		
GI Descrip.	(AL117265) zhb0009.1 [Oryza sativa]		

Seq. No.	16337	Seq. ID	OJ990917_08.9B08.C7
Gene No.	34416	Strand	+
Start	8610	End	9175
Name	OJ990917_08.9B08.C7.o3.gs	Method	GENSCAN
Start	8610	End	9175
GI	none	Score	.97
Exons	8610..8984, 9050..9175		

Seq. No.	16337	Seq. ID	OJ990917_08.9B08.C7
Gene No.	34417	Strand	+
Start	10048	End	10429
Name	OJ990917_08.9B08.C7.o2.gp	Method	AAT/GAP
Start	10048	End	10429
GI	uC-osflcyp033a04b1	Score	655
Exons	10048..10429		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	16337	Seq. ID	OJ990917_08.9B08.C7
Gene No.	34418	Strand	+
Start	23428	End	24886
Name	OJ990917_08.9B08.C7.o5.np	Method	AAT/NAP
Start	23428	End	24886
GI	5852181	Score	114
Exons	23428..23632, 24857..24886		
GI Descrip.	(AL117265) zhb0011.1 [Oryza sativa]		

Seq. No.	16337	Seq. ID	OJ990917_08.9B08.C7
Gene No.	34419	Strand	-
Start	654	End	5714
Name	OJ990917_08.9B08.C7.o1.np	Method	AAT/NAP

Start	654	End	5714
GI	4680186	Score	358
Exons	654..855, 1696..1757, 5467..5597, 5680..5714		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	16337	Seq. ID	OJ990917_08.9B08.C7
Gene No.	34420	Strand	-
Start	6011	End	16184
Name	OJ990917_08.9B08.C7.o3.np	Method	AAT/NAP
Start	6011	End	16184
GI	5295971	Score	2832
Exons	6011..6043, 7033..7559, 12627..16184		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	16337	Seq. ID	OJ990917_08.9B08.C7
Gene No.	34420	Strand	-
Start	6011	End	16184
Name	OJ990917_08.9B08.C7.o4.gs	Method	GENSCAN
Start	9978	End	11279
GI	none	Score	.75
Exons	9978..10181, 11178..11279		

Seq. No.	16337	Seq. ID	OJ990917_08.9B08.C7
Gene No.	34420	Strand	-
Start	6011	End	16184
Name	OJ990917_08.9B08.C7.o5.gs	Method	GENSCAN
Start	13243	End	16149
GI	none	Score	.44
Exons	13243..13956, 13991..14335, 14419..14859, 14896..15057, 15118..15574, 15596..16149		

Seq. No.	16337	Seq. ID	OJ990917_08.9B08.C7
Gene No.	34421	Strand	-
Start	27129	End	27884
Name	OJ990917_08.9B08.C7.o1.tc	Method	TBLASTX:Cress
Start	7030	End	12765
GI	none	Score	84
Exons	7030..7251, 7067..7285, 7300..7398, 7402..7479, 12625..12765		

Seq. No.	16337	Seq. ID	OJ990917_08.9B08.C7
Gene No.	34421	Strand	-
Start	27129	End	27884
Name	OJ990917_08.9B08.C7.o3.ts	Method	TBLASTX:Soybean
Start	7036	End	12744
GI	none	Score	64
Exons	7036..7491, 7076..7213, 12625..12744		

Seq. No.	16337	Seq. ID	OJ990917_08.9B08.C7
Gene No.	34421	Strand	-
Start	27129	End	27884
Name	OJ990917_08.9B08.C7.o4.tm	Method	TBLASTX:Maize
Start	7036	End	7423
GI	none	Score	199
Exons	7036..7422, 7037..7423		

Seq. No.	16337	Seq. ID	OJ990917_08.9B08.C7
Gene No.	34421	Strand	-
Start	27129	End	27884
Name	OJ990917_08.9B08.C7.o6.tw	Method	TBLASTX:Wheat
Start	7063	End	7488
GI	none	Score	56
Exons	7063..7242, 7075..7266, 7279..7488, 7307..7432		

Seq. No.	16337	Seq. ID	OJ990917_08.9B08.C7
Gene No.	34421	Strand	-
Start	27129	End	27884
Name	OJ990917_08.9B08.C7.o3.tm	Method	TBLASTX:Maize
Start	12631	End	13054
GI	none	Score	120
Exons	12631..12789, 12638..12790, 12781..13050, 12788..12913, 12805..13050, 13010..13054		

Seq. No.	16337	Seq. ID	OJ990917_08.9B08.C7
Gene No.	34421	Strand	-
Start	27129	End	27884
Name	OJ990917_08.9B08.C7.o1.tw	Method	TBLASTX:Wheat
Start	12910	End	13443
GI	none	Score	148
Exons	12910..13113, 13105..13434, 13156..13443		

Seq. No.	16337	Seq. ID	OJ990917_08.9B08.C7
Gene No.	34421	Strand	-
Start	27129	End	27884
Name	OJ990917_08.9B08.C7.o1.ts	Method	TBLASTX:Soybean
Start	13117	End	13617
GI	5509260	Score	105
Exons	13117..13617, 13159..13488, 13349..13579		
GI Descrip.	-		

Seq. No.	16337	Seq. ID	OJ990917_08.9B08.C7
Gene No.	34421	Strand	-
Start	27129	End	27884
Name	OJ990917_08.9B08.C7.o2.tc	Method	TBLASTX:Cress
Start	13231	End	13495
GI	none	Score	87
Exons	13231..13494, 13237..13413, 13319..13495		

Seq. No.	16337	Seq. ID	OJ990917_08.9B08.C7
Gene No.	34421	Strand	-
Start	27129	End	27884
Name	OJ990917_08.9B08.C7.o2.tm	Method	TBLASTX:Maize
Start	13270	End	13590
GI	none	Score	165
Exons	13270..13590, 13271..13570		

Seq. No.	16337	Seq. ID	OJ990917_08.9B08.C7
Gene No.	34421	Strand	-
Start	27129	End	27884
Name	OJ990917_08.9B08.C7.o2.ts	Method	TBLASTX:Soybean
Start	14003	End	14416
GI	none	Score	64
Exons	14003..14410, 14006..14416		

Seq. No.	16337	Seq. ID	OJ990917_08.9B08.C7
Gene No.	34421	Strand	-
Start	27129	End	27884
Name	OJ990917_08.9B08.C7.o3.tc	Method	TBLASTX:Cress
Start	14006	End	14425
GI	none	Score	219
Exons	14006..14425		

Seq. No.	16337	Seq. ID	OJ990917_08.9B08.C7
Gene No.	34421	Strand	-
Start	27129	End	27884
Name	OJ990917_08.9B08.C7.o1.tm	Method	TBLASTX:Maize
Start	14018	End	14441
GI	none	Score	49
Exons	14018..14089, 14019..14078, 14102..14440, 14127..14441		

Seq. No.	16337	Seq. ID	OJ990917_08.9B08.C7
Gene No.	34421	Strand	-
Start	27129	End	27884
Name	OJ990917_08.9B08.C7.o2.tw	Method	TBLASTX:Wheat
Start	14090	End	14640
GI	none	Score	105
Exons	14090..14179, 14186..14470, 14476..14640		

Seq. No.	16337	Seq. ID	OJ990917_08.9B08.C7
Gene No.	34421	Strand	-
Start	27129	End	27884
Name	OJ990917_08.9B08.C7.o5.ts	Method	TBLASTX:Soybean
Start	14476	End	14775
GI	none	Score	72
Exons	14476..14775, 14534..14704, 14599..14679		

Seq. No.	16337	Seq. ID	OJ990917_08.9B08.C7
Gene No.	34421	Strand	-
Start	27129	End	27884
Name	OJ990917_08.9B08.C7.o3.tw	Method	TBLASTX:Wheat
Start	14713	End	15165
GI	none	Score	133
Exons	14713..14799, 14800..15165, 14888..15151		

Seq. No.	16337	Seq. ID	OJ990917_08.9B08.C7
Gene No.	34421	Strand	-
Start	27129	End	27884
Name	OJ990917_08.9B08.C7.o6.tm	Method	TBLASTX:Maize
Start	14779	End	15187
GI	none	Score	146
Exons	14779..15186, 14912..15187		

Seq. No.	16337	Seq. ID	OJ990917_08.9B08.C7
Gene No.	34421	Strand	-
Start	27129	End	27884
Name	OJ990917_08.9B08.C7.o9.tm	Method	TBLASTX:Maize
Start	15682	End	16006
GI	none	Score	97
Exons	15682..16005, 15703..16005, 15707..16006		

Seq. No.	16337	Seq. ID	OJ990917_08.9B08.C7
Gene No.	34421	Strand	-
Start	27129	End	27884
Name	OJ990917_08.9B08.C7.o7.tw	Method	TBLASTX:Wheat
Start	15730	End	16080
GI	none	Score	70
Exons	15730..16080, 15733..16035		

Seq. No.	16337	Seq. ID	OJ990917_08.9B08.C7
Gene No.	34421	Strand	-
Start	27129	End	27884
Name	OJ990917_08.9B08.C7.o8.tm	Method	TBLASTX:Maize
Start	17920	End	18213
GI	none	Score	99
Exons	17920..18021, 18017..18178, 18025..18213		

Seq. No.	16337	Seq. ID	OJ990917_08.9B08.C7
Gene No.	34421	Strand	-
Start	27129	End	27884
Name	OJ990917_08.9B08.C7.o5.tw	Method	TBLASTX:Wheat
Start	18292	End	18660
GI	none	Score	56
Exons	18292..18411, 18292..18417, 18469..18660		

Seq. No.	16337	Seq. ID	OJ990917_08.9B08.C7
Gene No.	34421	Strand	-
Start	27129	End	27884
Name	OJ990917_08.9B08.C7.o7.tm	Method	TBLASTX:Maize
Start	18484	End	18855
GI	none	Score	70
Exons	18484..18729, 18726..18854, 18730..18855		

Seq. No.	16337	Seq. ID	OJ990917_08.9B08.C7
Gene No.	34421	Strand	-
Start	27129	End	27884
Name	OJ990917_08.9B08.C7.o4.tw	Method	TBLASTX:Wheat
Start	18753	End	19303
GI	none	Score	132
Exons	18753..18869, 18942..19112, 19106..19303		

Seq. No.	16337	Seq. ID	OJ990917_08.9B08.C7
Gene No.	34421	Strand	-
Start	27129	End	27884
Name	OJ990917_08.9B08.C7.o4.ts	Method	TBLASTX:Soybean
Start	18927	End	19327
GI	none	Score	92
Exons	18927..19091, 19109..19327, 19128..19322		

Seq. No.	16337	Seq. ID	OJ990917_08.9B08.C7
Gene No.	34421	Strand	-
Start	27129	End	27884
Name	OJ990917_08.9B08.C7.o5.tm	Method	TBLASTX:Maize
Start	19056	End	19357
GI	none	Score	179
Exons	19056..19106, 19106..19357, 19113..19346, 19118..19348		

Seq. No.	16337	Seq. ID	OJ990917_08.9B08.C7

Gene No.	34421	Strand	-
Start	27129	End	27884
Name	OJ990917_08.9B08.C7.o9.gs	Method	GENSCAN
Start	27129	End	27884
GI	none	Score	.77
Exons	27129..27884		

Seq. No.	16338	Seq. ID	OJ990917_08.9B08.C8
Gene No.	34422	Strand	+
Start	4603	End	6581
Name	OJ990917_08.9B08.C8.o1.gp	Method	AAT/GAP
Start	4603	End	5013
GI	uC-osflm202100h04b1	Score	767
Exons	4603..5013		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	16338	Seq. ID	OJ990917_08.9B08.C8
Gene No.	34422	Strand	+
Start	4603	End	6581
Name	OJ990917_08.9B08.C8.o2.np	Method	AAT/NAP
Start	4645	End	6581
GI	6907087	Score	1027
Exons	4645..5028, 5238..5927, 6480..6581		
GI Descrip.	(AP001129) ESTs C72771(E2215),AU082313(E2215) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	16338	Seq. ID	OJ990917_08.9B08.C8
Gene No.	34423	Strand	+
Start	7043	End	7425
Name	OJ990917_08.9B08.C8.o2.gp	Method	AAT/GAP
Start	7043	End	7425
GI	uC-osflcyp033a04b1	Score	688
Exons	7043..7425		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	16338	Seq. ID	OJ990917_08.9B08.C8
Gene No.	34424	Strand	-
Start	5474	End	9699
Name	OJ990917_08.9B08.C8.o2.gs	Method	GENSCAN
Start	5474	End	6249
GI	none	Score	.9
Exons	5474..6198, 6207..6249		

Seq. No.	16338	Seq. ID	OJ990917_08.9B08.C8
Gene No.	34424	Strand	-
Start	5474	End	9699
Name	OJ990917_08.9B08.C8.o4.np	Method	AAT/NAP
Start	5744	End	9699
GI	6691191	Score	409
Exons	5744..5772, 9101..9699		
GI Descrip.	(AC007534) F7F22.15 [Arabidopsis thaliana]		

Seq. No.	16338	Seq. ID	OJ990917_08.9B08.C8
Gene No.	34424	Strand	-

Start	5474	End	9699
Name	OJ990917_08.9B08.C8.o3.np	Method	AAT/NAP
Start	6972	End	8920
GI	4680186	Score	230
Exons	6972..7193, 8888..8920		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	16338	Seq. ID	OJ990917_08.9B08.C8
Gene No.	34424	Strand	-
Start	5474	End	9699
Name	OJ990917_08.9B08.C8.o1.ts	Method	TBLASTX:Soybean
Start	9125	End	9553
GI	none	Score	67
Exons	9125..9259, 9256..9381, 9283..9411, 9284..9418, 9419..9553		

Seq. No.	16338	Seq. ID	OJ990917_08.9B08.C8
Gene No.	34424	Strand	-
Start	5474	End	9699
Name	OJ990917_08.9B08.C8.o1.tw	Method	TBLASTX:Wheat
Start	9146	End	9553
GI	none	Score	70
Exons	9146..9298, 9250..9384, 9272..9415, 9280..9414, 9419..9451, 9423..9551, 9485..9553		

Seq. No.	16339	Seq. ID	OJ990917_08.9B08.C9
Gene No.	34425	Strand	+
Start	679	End	788
Name	OJ990917_08.9B08.C9.o1.gs	Method	GENSCAN
Start	679	End	788
GI	none	Score	.48
Exons	679..788		

Seq. No.	16339	Seq. ID	OJ990917_08.9B08.C9
Gene No.	34426	Strand	-
Start	2950	End	3318
Name	OJ990917_08.9B08.C9.o1.gp	Method	AAT/GAP
Start	2930	End	3258
GI	427043	Score	654
Exons	2930..3258		

Seq. No.	16339	Seq. ID	OJ990917_08.9B08.C9
Gene No.	34426	Strand	-
Start	2950	End	3318
Name	OJ990917_08.9B08.C9.o2.gs	Method	GENSCAN
Start	2950	End	3318
GI	none	Score	.64
Exons	2950..3318		

Seq. No.	16340	Seq. ID	OJ990917_08.9B08.C10
Gene No.	34427	Strand	-
Start	1380	End	1557
Name	OJ990917_08.9B08.C10.o1.gs	Method	GENSCAN
Start	1380	End	1557
GI	none	Score	.65
Exons	1380..1420, 1494..1557		

Seq. No.	16341	Seq. ID	OJ990917_08.9B08.C11

Gene No.	34428	Strand	+
Start	399	End	827
Name	OJ990917_08.9B08.C11.o1.gs	Method	GENSCAN
Start	399	End	827
GI	none	Score	.46
Exons	399..617, 772..827		

Seq. No.	16342	Seq. ID	OJ990917_08.9B08.C12
Gene No.	34429	Strand	-
Start	99	End	379
Name	OJ990917_08.9B08.C12.o1.tm	Method	TBLASTX:Maize
Start	1	End	379
GI	none	Score	83
Exons	1..123, 1..90, 3..107, 101..379, 109..162, 266..376, 268..378		

Seq. No.	16342	Seq. ID	OJ990917_08.9B08.C12
Gene No.	34429	Strand	-
Start	99	End	379
Name	OJ990917_08.9B08.C12.o1.gs	Method	GENSCAN
Start	99	End	252
GI	none	Score	.8
Exons	99..252		

Seq. No.	16343	Seq. ID	OJ990917_08.9B08.C13
Gene No.	34430	Strand	+
Start	731	End	965
Name	OJ990917_08.9B08.C13.o1.gs	Method	GENSCAN
Start	731	End	965
GI	none	Score	.68
Exons	731..965		

Seq. No.	16343	Seq. ID	OJ990917_08.9B08.C13
Gene No.	34431	Strand	+
Start	1364	End	1530
Name	OJ990917_08.9B08.C13.o1.np	Method	AAT/NAP
Start	1364	End	1530
GI	4680183	Score	60
Exons	1364..1530		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	16344	Seq. ID	OJ990917_08.9B08.C14
Gene No.	34432	Strand	+
Start	7437	End	8223
Name	OJ990917_08.9B08.C14.o3.np	Method	AAT/NAP
Start	7437	End	8223
GI	4680183	Score	193
Exons	7437..7524, 8132..8223		
GI Descrip.	(AF111709) gag-pol protein [Oryza sativa subsp. indica]		

Seq. No.	16344	Seq. ID	OJ990917_08.9B08.C14
Gene No.	34433	Strand	-
Start	1037	End	5607
Name	OJ990917_08.9B08.C14.o1.np	Method	AAT/NAP
Start	1037	End	5607
GI	4680179	Score	7751
Exons	1037..5607		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	16344	Seq. ID	OJ990917_08.9B08.C14
Gene No.	34434	Strand	-
Start	5864	End	6682
Name	OJ990917_08.9B08.C14.o6.tw	Method	TBLASTX:Wheat
Start	1047	End	1415
GI	none	Score	35
Exons	1047..1100, 1082..1414, 1103..1243, 1206..1322, 1307..1387, 1362..1415		

Seq. No.	16344	Seq. ID	OJ990917_08.9B08.C14
Gene No.	34434	Strand	-
Start	5864	End	6682
Name	OJ990917_08.9B08.C14.o7.tm	Method	TBLASTX:Maize
Start	1061	End	1258
GI	none	Score	198
Exons	1061..1258		

Seq. No.	16344	Seq. ID	OJ990917_08.9B08.C14
Gene No.	34434	Strand	-
Start	5864	End	6682
Name	OJ990917_08.9B08.C14.o1.tm	Method	TBLASTX:Maize
Start	1262	End	1870
GI	none	Score	207
Exons	1262..1543, 1275..1589, 1401..1622, 1649..1711, 1665..1709, 1709..1870, 1716..1862		

Seq. No.	16344	Seq. ID	OJ990917_08.9B08.C14
Gene No.	34434	Strand	-
Start	5864	End	6682
Name	OJ990917_08.9B08.C14.o3.tw	Method	TBLASTX:Wheat
Start	1415	End	2049
GI	none	Score	90
Exons	1415..1642, 1416..1589, 1649..1996, 1665..1994, 2002..2049		

Seq. No.	16344	Seq. ID	OJ990917_08.9B08.C14
Gene No.	34434	Strand	-
Start	5864	End	6682
Name	OJ990917_08.9B08.C14.o4.tm	Method	TBLASTX:Maize
Start	2002	End	2412
GI	none	Score	150
Exons	2002..2412, 2012..2371		

Seq. No.	16344	Seq. ID	OJ990917_08.9B08.C14
Gene No.	34434	Strand	-
Start	5864	End	6682
Name	OJ990917_08.9B08.C14.o2.ts	Method	TBLASTX:Soybean
Start	2008	End	2268
GI	none	Score	155
Exons	2008..2268, 2009..2263		

Seq. No.	16344	Seq. ID	OJ990917_08.9B08.C14
Gene No.	34434	Strand	-
Start	5864	End	6682
Name	OJ990917_08.9B08.C14.o2.tw	Method	TBLASTX:Wheat
Start	2056	End	2532
GI	none	Score	316

Exons	2056..2532, 2057..2464, 2089..2502		
Seq. No.	16344	Seq. ID	OJ990917_08.9B08.C14
Gene No.	34434	Strand	-
Start	5864	End	6682
Name	OJ990917_08.9B08.C14.o1.tw	Method	TBLASTX:Wheat
Start	2533	End	3048
GI	none	Score	234
Exons	2533..3048, 2623..2970, 2705..3016		
Seq. No.	16344	Seq. ID	OJ990917_08.9B08.C14
Gene No.	34434	Strand	-
Start	5864	End	6682
Name	OJ990917_08.9B08.C14.o2.tm	Method	TBLASTX:Maize
Start	2611	End	2976
GI	none	Score	152
Exons	2611..2922, 2618..2953, 2623..2976, 2708..2974		
Seq. No.	16344	Seq. ID	OJ990917_08.9B08.C14
Gene No.	34434	Strand	-
Start	5864	End	6682
Name	OJ990917_08.9B08.C14.o3.ts	Method	TBLASTX:Soybean
Start	2797	End	3042
GI	none	Score	203
Exons	2797..3042		
Seq. No.	16344	Seq. ID	OJ990917_08.9B08.C14
Gene No.	34434	Strand	-
Start	5864	End	6682
Name	OJ990917_08.9B08.C14.o3.tm	Method	TBLASTX:Maize
Start	3013	End	3513
GI	none	Score	43
Exons	3013..3348, 3056..3106, 3131..3262, 3334..3513		
Seq. No.	16344	Seq. ID	OJ990917_08.9B08.C14
Gene No.	34434	Strand	-
Start	5864	End	6682
Name	OJ990917_08.9B08.C14.o5.tw	Method	TBLASTX:Wheat
Start	3049	End	3351
GI	none	Score	242
Exons	3049..3351, 3050..3331		
Seq. No.	16344	Seq. ID	OJ990917_08.9B08.C14
Gene No.	34434	Strand	-
Start	5864	End	6682
Name	OJ990917_08.9B08.C14.o1.ts	Method	TBLASTX:Soybean
Start	3064	End	3459
GI	none	Score	163
Exons	3064..3423, 3065..3328, 3349..3423, 3415..3459, 3427..3459		
Seq. No.	16344	Seq. ID	OJ990917_08.9B08.C14
Gene No.	34434	Strand	-
Start	5864	End	6682
Name	OJ990917_08.9B08.C14.o4.tw	Method	TBLASTX:Wheat
Start	3400	End	3886
GI	none	Score	201
Exons	3400..3882, 3409..3771, 3443..3886		

Seq. No.	16344	Seq. ID	OJ990917_08.9B08.C14
Gene No.	34434	Strand	-
Start	5864	End	6682
Name	OJ990917_08.9B08.C14.o5.tm	Method	TBLASTX:Maize
Start	3583	End	3871
GI	none	Score	161
Exons	3583..3870, 3584..3772, 3833..3871		

Seq. No.	16344	Seq. ID	OJ990917_08.9B08.C14
Gene No.	34434	Strand	-
Start	5864	End	6682
Name	OJ990917_08.9B08.C14.o8.tw	Method	TBLASTX:Wheat
Start	4045	End	4461
GI	none	Score	105
Exons	4045..4206, 4046..4201, 4266..4376, 4267..4461, 4313..4426		

Seq. No.	16344	Seq. ID	OJ990917_08.9B08.C14
Gene No.	34434	Strand	-
Start	5864	End	6682
Name	OJ990917_08.9B08.C14.o6.tm	Method	TBLASTX:Maize
Start	4768	End	5100
GI	none	Score	109
Exons	4768..5100, 4816..5100, 4913..5083		

Seq. No.	16344	Seq. ID	OJ990917_08.9B08.C14
Gene No.	34434	Strand	-
Start	5864	End	6682
Name	OJ990917_08.9B08.C14.o7.tw	Method	TBLASTX:Wheat
Start	4981	End	5340
GI	none	Score	124
Exons	4981..5310, 4981..5340		

Seq. No.	16344	Seq. ID	OJ990917_08.9B08.C14
Gene No.	34434	Strand	-
Start	5864	End	6682
Name	OJ990917_08.9B08.C14.o2.np	Method	AAT/NAP
Start	5864	End	6682
GI	5042448	Score	1164
Exons	5864..6682		
GI Descrip.	(AC007789) putative ORF0 protein of RIRE8B gypsy-type retrotransposon [Oryza sativa]		

Seq. No.	16345	Seq. ID	OJ990917_08.9B08.C15
Gene No.	34435	Strand	+
Start	285	End	1822
Name	OJ990917_08.9B08.C15.o1.np	Method	AAT/NAP
Start	285	End	1822
GI	6063554	Score	284
Exons	285..506, 976..1003, 1647..1822		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464) correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	16345	Seq. ID	OJ990917_08.9B08.C15
Gene No.	34435	Strand	+
Start	285	End	1822

Name	OJ990917_08.9B08.C15.o1.gs	Method	GENSCAN
Start	368	End	631
GI	none	Score	.76
Exons	368..506, 548..631		

Seq. No.	16345	Seq. ID	OJ990917_08.9B08.C15
Gene No.	34436	Strand	-
Start	470	End	1198
Name	OJ990917_08.9B08.C15.o1.gp	Method	AAT/GAP
Start	470	End	1198
GI	101153_1.R1084	Score	428
Exons	470..494, 959..1198		
GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 1.0e-115 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		

Seq. No.	16345	Seq. ID	OJ990917_08.9B08.C15
Gene No.	34437	Strand	-
Start	1985	End	4851
Name	OJ990917_08.9B08.C15.o2.gs	Method	GENSCAN
Start	1985	End	2275
GI	none	Score	.56
Exons	1985..2275		

Seq. No.	16345	Seq. ID	OJ990917_08.9B08.C15
Gene No.	34437	Strand	-
Start	1985	End	4851
Name	OJ990917_08.9B08.C15.o3.np	Method	AAT/NAP
Start	2005	End	4851
GI	5852180	Score	414
Exons	2005..2025, 4490..4851		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	16345	Seq. ID	OJ990917_08.9B08.C15
Gene No.	34437	Strand	-
Start	1985	End	4851
Name	OJ990917_08.9B08.C15.o2.gp	Method	AAT/GAP
Start	2190	End	2487
GI	61605_3.R1084	Score	443
Exons	2190..2487		
GI Descrip.	'1402920/emb\|CAA66965\| 2.0e-20 (X98321) peroxidase [Arabidopsis thaliana]'		

Seq. No.	16345	Seq. ID	OJ990917_08.9B08.C15
Gene No.	34437	Strand	-
Start	1985	End	4851
Name	OJ990917_08.9B08.C15.o3.gs	Method	GENSCAN
Start	3429	End	4732
GI	none	Score	.78
Exons	3429..3796, 4447..4732		

Seq. No.	16345	Seq. ID	OJ990917_08.9B08.C15
Gene No.	34437	Strand	-
Start	1985	End	4851
Name	OJ990917_08.9B08.C15.o2.np	Method	AAT/NAP
Start	3432	End	4851
GI	4680179	Score	461
Exons	3432..3763, 4706..4851		

GI Descrip. (AF111709) polyprotein [Oryza sativa subsp. indica]

Seq. No.	16345	Seq. ID	OJ990917_08.9B08.C15
Gene No.	34437	Strand	-
Start	1985	End	4851
Name	OJ990917_08.9B08.C15.o1.tw	Method	TBLASTX:Wheat
Start	3477	End	3764
GI	none	Score	95
Exons	3477..3764, 3498..3725, 3541..3762		

Seq. No.	16345	Seq. ID	OJ990917_08.9B08.C15
Gene No.	34437	Strand	-
Start	1985	End	4851
Name	OJ990917_08.9B08.C15.o1.tm	Method	TBLASTX:Maize
Start	3528	End	3761
GI	none	Score	124
Exons	3528..3761, 3577..3744		

Seq. No.	16346	Seq. ID	OJ990917_08.9B08.C16
Gene No.	34438	Strand	+
Start	701	End	1083
Name	OJ990917_08.9B08.C16.o2.gp	Method	AAT/GAP
Start	701	End	1083
GI	uC-osflcyp033a04b1	Score	688
Exons	701..1083		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	16346	Seq. ID	OJ990917_08.9B08.C16
Gene No.	34439	Strand	+
Start	1789	End	3879
Name	OJ990917_08.9B08.C16.o2.np	Method	AAT/NAP
Start	1789	End	3876
GI	4680179	Score	2958
Exons	1789..3876		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	16346	Seq. ID	OJ990917_08.9B08.C16
Gene No.	34439	Strand	+
Start	1789	End	3879
Name	OJ990917_08.9B08.C16.o1.gs	Method	GENSCAN
Start	1795	End	3879
GI	none	Score	.85
Exons	1795..3879		

Seq. No.	16346	Seq. ID	OJ990917_08.9B08.C16
Gene No.	34440	Strand	+
Start	6038	End	8018
Name	OJ990917_08.9B08.C16.o4.gp	Method	AAT/GAP
Start	5940	End	6322
GI	uC-osflcyp033a04b1	Score	708
Exons	5940..6322		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	16346	Seq. ID	OJ990917_08.9B08.C16
Gene No.	34440	Strand	+

Start	6038	End	8018
Name	OJ990917_08.9B08.C16.o3.gs	Method	GENSCAN
Start	6038	End	8018
GI	none	Score	.89
Exons	6038..6109, 7209..8018		

Seq. No.	16346	Seq. ID	OJ990917_08.9B08.C16
Gene No.	34441	Strand	+
Start	8273	End	12538
Name	OJ990917_08.9B08.C16.o3.np	Method	AAT/NAP
Start	8267	End	12538
GI	4680179	Score	4866
Exons	8267..9349, 9383..11488, 11514..12538		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	16346	Seq. ID	OJ990917_08.9B08.C16
Gene No.	34441	Strand	+
Start	8273	End	12538
Name	OJ990917_08.9B08.C16.o4.gs	Method	GENSCAN
Start	8273	End	12518
GI	none	Score	.52
Exons	8273..10864, 10895..11455, 11469..12518		

Seq. No.	16346	Seq. ID	OJ990917_08.9B08.C16
Gene No.	34442	Strand	-
Start	634	End	12482
Name	OJ990917_08.9B08.C16.o1.np	Method	AAT/NAP
Start	634	End	5687
GI	4680186	Score	379
Exons	634..834, 1674..1725, 5647..5687		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	16346	Seq. ID	OJ990917_08.9B08.C16
Gene No.	34442	Strand	-
Start	634	End	12482
Name	OJ990917_08.9B08.C16.o1.ts	Method	TBLASTX:Soybean
Start	1786	End	10765
GI	none	Score	84
Exons	1786..1857, 10370..10402, 10372..10401, 10406..10765, 10408..10446, 10474..10764		

Seq. No.	16346	Seq. ID	OJ990917_08.9B08.C16
Gene No.	34442	Strand	-
Start	634	End	12482
Name	OJ990917_08.9B08.C16.o3.tm	Method	TBLASTX:Maize
Start	1786	End	10816
GI	none	Score	84
Exons	1786..1908, 10316..10495, 10324..10470, 10502..10816, 10567..10695, 10723..10773		

Seq. No.	16346	Seq. ID	OJ990917_08.9B08.C16
Gene No.	34442	Strand	-
Start	634	End	12482
Name	OJ990917_08.9B08.C16.o5.tw	Method	TBLASTX:Wheat
Start	1786	End	10780
GI	none	Score	108
Exons	1786..1872, 1788..1856, 10478..10780, 10480..10764		

Seq. No.	16346	Seq. ID	OJ990917_08.9B08.C16
Gene No.	34442	Strand	-
Start	634	End	12482
Name	OJ990917_08.9B08.C16.o3.tw	Method	TBLASTX:Wheat
Start	1873	End	11203
GI	none	Score	595
Exons	1873..2295, 1905..2294, 10781..11203, 10813..11202		

Seq. No.	16346	Seq. ID	OJ990917_08.9B08.C16
Gene No.	34442	Strand	-
Start	634	End	12482
Name	OJ990917_08.9B08.C16.o3.ts	Method	TBLASTX:Soybean
Start	1879	End	11032
GI	none	Score	206
Exons	1879..2124, 1881..2123, 10787..11032, 10804..11031		

Seq. No.	16346	Seq. ID	OJ990917_08.9B08.C16
Gene No.	34442	Strand	-
Start	634	End	12482
Name	OJ990917_08.9B08.C16.o2.tm	Method	TBLASTX:Maize
Start	1944	End	11215
GI	none	Score	482
Exons	1944..2294, 1945..2298, 1945..2307, 10852..11202, 10853..11206, 10853..11215		

Seq. No.	16346	Seq. ID	OJ990917_08.9B08.C16
Gene No.	34442	Strand	-
Start	634	End	12482
Name	OJ990917_08.9B08.C16.o2.tw	Method	TBLASTX:Wheat
Start	2298	End	11798
GI	none	Score	650
Exons	2298..2864, 2329..2865, 11206..11460, 11237..11488, 11309..11473, 11513..11797, 11514..11798		

Seq. No.	16346	Seq. ID	OJ990917_08.9B08.C16
Gene No.	34442	Strand	-
Start	634	End	12482
Name	OJ990917_08.9B08.C16.o1.tc	Method	TBLASTX:Cress
Start	2572	End	11822
GI	none	Score	90
Exons	2572..2745, 2746..2889, 2748..2888, 11514..11678, 11679..11822, 11681..11821		

Seq. No.	16346	Seq. ID	OJ990917_08.9B08.C16
Gene No.	34442	Strand	-
Start	634	End	12482
Name	OJ990917_08.9B08.C16.o2.ts	Method	TBLASTX:Soybean
Start	2653	End	11847
GI	none	Score	296
Exons	2653..2913, 2658..2912, 2732..2914, 11586..11846, 11591..11845, 11665..11847		

Seq. No.	16346	Seq. ID	OJ990917_08.9B08.C16
Gene No.	34442	Strand	-
Start	634	End	12482
Name	OJ990917_08.9B08.C16.o4.tm	Method	TBLASTX:Maize

Start	2711	End	11936
GI	none	Score	118
Exons	2711..2899, 2712..2999, 2713..3003, 11645..11932, 11646..11936		

Seq. No.	16346	Seq. ID	OJ990917_08.9B08.C16
Gene No.	34442	Strand	-
Start	634	End	12482
Name	OJ990917_08.9B08.C16.o1.tw	Method	TBLASTX:Wheat
Start	2872	End	12431
GI	none	Score	684
Exons	2872..3498, 2928..3386, 3382..3495, 11805..12431, 11861..12319, 12177..12428		

Seq. No.	16346	Seq. ID	OJ990917_08.9B08.C16
Gene No.	34442	Strand	-
Start	634	End	12482
Name	OJ990917_08.9B08.C16.o1.tm	Method	TBLASTX:Maize
Start	3052	End	12476
GI	none	Score	224
Exons	3052..3213, 3057..3215, 3060..3206, 3210..3278, 3210..3635, 3211..3651, 11985..12146, 11988..12137, 11993..12139, 12143..12445, 12144..12476, 12306..12476		

Seq. No.	16346	Seq. ID	OJ990917_08.9B08.C16
Gene No.	34442	Strand	-
Start	634	End	12482
Name	OJ990917_08.9B08.C16.o6.tw	Method	TBLASTX:Wheat
Start	3498	End	12482
GI	none	Score	316
Exons	3498..3731, 3499..3831, 3502..3810, 12432..12482		

Seq. No.	16346	Seq. ID	OJ990917_08.9B08.C16
Gene No.	34442	Strand	-
Start	634	End	12482
Name	OJ990917_08.9B08.C16.o2.gs	Method	GENSCAN
Start	4324	End	4956
GI	none	Score	.97
Exons	4324..4956		

Seq. No.	16346	Seq. ID	OJ990917_08.9B08.C16
Gene No.	34442	Strand	-
Start	634	End	12482
Name	OJ990917_08.9B08.C16.o9.tw	Method	TBLASTX:Wheat
Start	8480	End	8706
GI	none	Score	208
Exons	8480..8500, 8507..8704, 8509..8706		

Seq. No.	16346	Seq. ID	OJ990917_08.9B08.C16
Gene No.	34442	Strand	-
Start	634	End	12482
Name	OJ990917_08.9B08.C16.o7.tw	Method	TBLASTX:Wheat
Start	8740	End	9091
GI	none	Score	286
Exons	8740..8934, 8741..9091		

Seq. No.	16346	Seq. ID	OJ990917_08.9B08.C16
Gene No.	34442	Strand	-

Start	634	End	12482
Name	OJ990917_08.9B08.C16.o6.tm	Method	TBLASTX:Maize
Start	8741	End	9046
GI	none	Score	228
Exons	8741..9046, 8755..8919		

Seq. No.	16346	Seq. ID	OJ990917_08.9B08.C16
Gene No.	34442	Strand	-
Start	634	End	12482
Name	OJ990917_08.9B08.C16.o7.tm	Method	TBLASTX:Maize
Start	9404	End	9727
GI	none	Score	186
Exons	9404..9727		

Seq. No.	16346	Seq. ID	OJ990917_08.9B08.C16
Gene No.	34442	Strand	-
Start	634	End	12482
Name	OJ990917_08.9B08.C16.o8.tw	Method	TBLASTX:Wheat
Start	9410	End	9832
GI	none	Score	164
Exons	9410..9619, 9466..9618, 9664..9777, 9665..9832		

Seq. No.	16346	Seq. ID	OJ990917_08.9B08.C16
Gene No.	34442	Strand	-
Start	634	End	12482
Name	OJ990917_08.9B08.C16.o4.tw	Method	TBLASTX:Wheat
Start	9943	End	10429
GI	none	Score	52
Exons	9943..10386, 9947..9997, 10052..10429		

Seq. No.	16346	Seq. ID	OJ990917_08.9B08.C16
Gene No.	34442	Strand	-
Start	634	End	12482
Name	OJ990917_08.9B08.C16.o5.tm	Method	TBLASTX:Maize
Start	9958	End	10248
GI	none	Score	275
Exons	9958..10248, 9959..10246		

Seq. No.	16346	Seq. ID	OJ990917_08.9B08.C16
Gene No.	34442	Strand	-
Start	634	End	12482
Name	OJ990917_08.9B08.C16.o2.tc	Method	TBLASTX:Cress
Start	10076	End	10393
GI	none	Score	182
Exons	10076..10393		

Seq. No.	16347	Seq. ID	OJ990917_08.9B08.C17
Gene No.	34443	Strand	+
Start	73	End	2307
Name	OJ990917_08.9B08.C17.o1.np	Method	AAT/NAP
Start	73	End	2307
GI	4680179	Score	2075
Exons	73..1170, 1204..2307		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	16347	Seq. ID	OJ990917_08.9B08.C17
Gene No.	34443	Strand	+

Start	73	End	2307
Name	OJ990917_08.9B08.C17.o1.gs	Method	GENSCAN
Start	89	End	2244
GI	none	Score	.41
Exons	89..2244		

Seq. No.	16347	Seq. ID	OJ990917_08.9B08.C17
Gene No.	34443	Strand	+
Start	73	End	2307
Name	OJ990917_08.9B08.C17.o4.tw	Method	TBLASTX:Wheat
Start	301	End	527
GI	none	Score	211
Exons	301..321, 328..525, 330..527		

Seq. No.	16347	Seq. ID	OJ990917_08.9B08.C17
Gene No.	34443	Strand	+
Start	73	End	2307
Name	OJ990917_08.9B08.C17.o2.tw	Method	TBLASTX:Wheat
Start	561	End	912
GI	none	Score	292
Exons	561..755, 562..912		

Seq. No.	16347	Seq. ID	OJ990917_08.9B08.C17
Gene No.	34443	Strand	+
Start	73	End	2307
Name	OJ990917_08.9B08.C17.o2.tm	Method	TBLASTX:Maize
Start	562	End	867
GI	none	Score	222
Exons	562..867, 576..692		

Seq. No.	16347	Seq. ID	OJ990917_08.9B08.C17
Gene No.	34443	Strand	+
Start	73	End	2307
Name	OJ990917_08.9B08.C17.o3.tm	Method	TBLASTX:Maize
Start	1195	End	1548
GI	none	Score	185
Exons	1195..1548		

Seq. No.	16347	Seq. ID	OJ990917_08.9B08.C17
Gene No.	34443	Strand	+
Start	73	End	2307
Name	OJ990917_08.9B08.C17.o3.tw	Method	TBLASTX:Wheat
Start	1231	End	1668
GI	none	Score	160
Exons	1231..1440, 1287..1439, 1485..1598, 1486..1599, 1627..1668		

Seq. No.	16347	Seq. ID	OJ990917_08.9B08.C17
Gene No.	34443	Strand	+
Start	73	End	2307
Name	OJ990917_08.9B08.C17.o1.tw	Method	TBLASTX:Wheat
Start	1768	End	2250
GI	none	Score	63
Exons	1768..1818, 1872..2207, 1873..2250		

Seq. No.	16347	Seq. ID	OJ990917_08.9B08.C17
Gene No.	34443	Strand	+
Start	73	End	2307

Name	OJ990917_08.9B08.C17.o1.tm	Method	TBLASTX:Maize
Start	1873	End	2304
GI	none	Score	366
Exons	1873..2304, 2103..2297		

Seq. No.	16348	Seq. ID	OJ990917_08.9B08.C18
Gene No.	34444	Strand	+
Start	688	End	1212
Name	OJ990917_08.9B08.C18.o1.gs	Method	GENSCAN
Start	688	End	1212
GI	none	Score	.76
Exons	688..857, 933..1212		

Seq. No.	16349	Seq. ID	OJ990917_08.9B08.C19
Gene No.	34445	Strand	+
Start	336	End	2255
Name	OJ990917_08.9B08.C19.o1.gs	Method	GENSCAN
Start	336	End	2255
GI	none	Score	.46
Exons	336..512, 561..839, 1254..1790, 1910..1959, 2075..2255		

Seq. No.	16349	Seq. ID	OJ990917_08.9B08.C19
Gene No.	34446	Strand	
Start	2252	End	2551
Name	OJ990917_08.9B08.C19.o1.tw	Method	TBLASTX:Wheat
Start	2252	End	2551
GI	none	Score	179
Exons	2252..2551		

Seq. No.	16350	Seq. ID	OJ990917_08.9B08.C20
Gene No.	34447	Strand	-
Start	335	End	434
Name	OJ990917_08.9B08.C20.o1.gs	Method	GENSCAN
Start	335	End	434
GI	none	Score	.73
Exons	335..434		

Seq. No.	16351	Seq. ID	OJ990917_08.9B08.C22
Gene No.	34448	Strand	+
Start	1	End	1428
Name	OJ990917_08.9B08.C22.o1.np	Method	AAT/NAP
Start	1	End	1425
GI	4680179	Score	2028
Exons	1..1425		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	16351	Seq. ID	OJ990917_08.9B08.C22
Gene No.	34448	Strand	+
Start	1	End	1428
Name	OJ990917_08.9B08.C22.o2.tw	Method	TBLASTX:Wheat
Start	1	End	414
GI	none	Score	522
Exons	1..414, 25..408, 30..413		

Seq. No.	16351	Seq. ID	OJ990917_08.9B08.C22
Gene No.	34448	Strand	+
Start	1	End	1428

Name	OJ990917_08.9B08.C22.o1.ts	Method	TBLASTX:Soybean
Start	202	End	463
GI	none	Score	287
Exons	202..462, 207..461, 281..463		

Seq. No.	16351	Seq. ID	OJ990917_08.9B08.C22
Gene No.	34448	Strand	+
Start	1	End	1428
Name	OJ990917_08.9B08.C22.o1.gs	Method	GENSCAN
Start	226	End	1428
GI	none	Score	.8
Exons	226..1428		

Seq. No.	16351	Seq. ID	OJ990917_08.9B08.C22
Gene No.	34448	Strand	+
Start	1	End	1428
Name	OJ990917_08.9B08.C22.o2.tm	Method	TBLASTX:Maize
Start	260	End	552
GI	none	Score	103
Exons	260..448, 261..548, 262..552		

Seq. No.	16351	Seq. ID	OJ990917_08.9B08.C22
Gene No.	34448	Strand	+
Start	1	End	1428
Name	OJ990917_08.9B08.C22.o1.tw	Method	TBLASTX:Wheat
Start	421	End	1047
GI	none	Score	686
Exons	421..1047, 477..1046		

Seq. No.	16351	Seq. ID	OJ990917_08.9B08.C22
Gene No.	34448	Strand	+
Start	1	End	1428
Name	OJ990917_08.9B08.C22.o1.tm	Method	TBLASTX:Maize
Start	601	End	1200
GI	none	Score	231
Exons	601..762, 609..743, 760..1200, 762..1184, 922..1185		

Seq. No.	16351	Seq. ID	OJ990917_08.9B08.C22
Gene No.	34448	Strand	+
Start	1	End	1428
Name	OJ990917_08.9B08.C22.o3.tw	Method	TBLASTX:Wheat
Start	1047	End	1380
GI	none	Score	325
Exons	1047..1316, 1048..1380, 1051..1359		

Seq. No.	16352	Seq. ID	OJ990917_08.9B08.C23
Gene No.	34449	Strand	+
Start	126	End	404
Name	QJ990917_08.9B08.C23.o1.gs	Method	GENSCAN
Start	126	End	404
GI	none	Score	.89
Exons	126..404		

Seq. No.	16353	Seq. ID	OJ990917_08.9B08.C24
Gene No.	34450	Strand	+
Start	118	End	194
Name	OJ990917_08.9B08.C24.o1.gs	Method	GENSCAN

Start	118	End	194
GI	none	Score	.97
Exons	118..194		

Seq. No.	16354	Seq. ID	OJ990917_08.9B08.C25
Gene No.	34451	Strand	+
Start	861	End	1022
Name	OJ990917_08.9B08.C25.o1.gs	Method	GENSCAN
Start	861	End	1022
GI	none	Score	.64
Exons	861..1022		

Seq. No.	16355	Seq. ID	OJ990917_08.9B08.C26
Gene No.	34452	Strand	+
Start	1	End	466
Name	OJ990917_08.9B08.C26.o1.np	Method	AAT/NAP
Start	1	End	466
GI	4512242	Score	796
Exons	1..466		
GI Descrip.	(AB014750) polyprotein [Nicotiana tabacum]		

Seq. No.	16355	Seq. ID	OJ990917_08.9B08.C26
Gene No.	34452	Strand	+
Start	1	End	466
Name	OJ990917_08.9B08.C26.o1.tm	Method	TBLASTX:Maize
Start	6	End	431
GI	none	Score	418
Exons	6..431, 53..430, 240..431		

Seq. No.	16355	Seq. ID	OJ990917_08.9B08.C26
Gene No.	34452	Strand	+
Start	1	End	466
Name	OJ990917_08.9B08.C26.o1.tw	Method	TBLASTX:Wheat
Start	89	End	466
GI	none	Score	491
Exons	89..466, 90..464		

Seq. No.	16355	Seq. ID	OJ990917_08.9B08.C26
Gene No.	34452	Strand	+
Start	1	End	466
Name	OJ990917_08.9B08.C26.o1.ts	Method	TBLASTX:Soybean
Start	126	End	371
GI	none	Score	192
Exons	126..371, 143..370		

Seq. No.	16356	Seq. ID	OJ990917_08.9B08.C27
Gene No.	34453	Strand	-
Start	1	End	761
Name	OJ990917_08.9B08.C27.o1.np	Method	AAT/NAP
Start	1	End	761
GI	5295971	Score	548
Exons	1..761		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	16356	Seq. ID	OJ990917_08.9B08.C27

Gene No.	34453	Strand	-
Start	1	End	761
Name	OJ990917_08.9B08.C27.o1.gs	Method	GENSCAN
Start	196	End	744
GI	none	Score	.57
Exons	196..540, 577..744		

Seq. No.	16356	Seq. ID	OJ990917_08.9B08.C27
Gene No.	34453	Strand	-
Start	1	End	761
Name	OJ990917_08.9B08.C27.o1.ts	Method	TBLASTX:Soybean
Start	208	End	621
GI	none	Score	64
Exons	208..615, 211..621		

Seq. No.	16356	Seq. ID	OJ990917_08.9B08.C27
Gene No.	34453	Strand	-
Start	1	End	761
Name	OJ990917_08.9B08.C27.o1.tc	Method	TBLASTX:Cress
Start	211	End	630
GI	none	Score	219
Exons	211..630		

Seq. No.	16356	Seq. ID	OJ990917_08.9B08.C27
Gene No.	34453	Strand	-
Start	1	End	761
Name	OJ990917_08.9B08.C27.o1.tm	Method	TBLASTX:Maize
Start	223	End	646
GI	none	Score	49
Exons	223..294, 224..283, 307..645, 332..646		

Seq. No.	16356	Seq. ID	OJ990917_08.9B08.C27
Gene No.	34453	Strand	-
Start	1	End	761
Name	OJ990917_08.9B08.C27.o1.tw	Method	TBLASTX:Wheat
Start	295	End	660
GI	none	Score	50
Exons	295..384, 296..385, 391..660		

Seq. No.	16357	Seq. ID	OJ990827_02.9B09.C3
Gene No.	34454	Strand	-
Start	399	End	497
Name	OJ990827_02.9B09.C3.o1.gp	Method	AAT/GAP
Start	399	End	497
GI	21474_1.R1084	Score	136
Exons	399..497		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	16357	Seq. ID	OJ990827_02.9B09.C3
Gene No.	34455	Strand	-
Start	541	End	675
Name	OJ990827_02.9B09.C3.o2.gp	Method	AAT/GAP
Start	541	End	675
GI	LIB3477-003-P1-K1-E9	Score	126
Exons	541..603, 633..675		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY		

S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'

Seq. No.	16358	Seq. ID	OJ990827_02.9B09.C4
Gene No.	34456	Strand	-
Start	856	End	983
Name	OJ990827_02.9B09.C4.o1.gs	Method	GENSCAN
Start	856	End	983
GI	none	Score	1
Exons	856..983		

Seq. No.	16359	Seq. ID	OJ990827_02.9B09.C7
Gene No.	34457	Strand	+
Start	160	End	2940
Name	OJ990827_02.9B09.C7.o1.gs	Method	GENSCAN
Start	160	End	1601
GI	none	Score	.7
Exons	160..1342, 1453..1601		

Seq. No.	16359	Seq. ID	OJ990827_02.9B09.C7
Gene No.	34457	Strand	+
Start	160	End	2940
Name	OJ990827_02.9B09.C7.o2.tw	Method	TBLASTX:Wheat
Start	487	End	886
GI	none	Score	128
Exons	487..627, 490..624, 601..885, 675..866, 704..886		

Seq. No.	16359	Seq. ID	OJ990827_02.9B09.C7
Gene No.	34457	Strand	+
Start	160	End	2940
Name	OJ990827_02.9B09.C7.o1.np	Method	AAT/NAP
Start	595	End	2940
GI	6630696	Score	4019
Exons	595..2940		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	16359	Seq. ID	OJ990827_02.9B09.C7
Gene No.	34457	Strand	+
Start	160	End	2940
Name	OJ990827_02.9B09.C7.o1.gp	Method	AAT/GAP
Start	637	End	1527
GI	101595_1.R1084	Score	1459
Exons	637..1337, 1453..1527		
GI Descrip.	'3047066 3.0e-15 (AF058825) contains similarity to retrovirus-related POL polyproteins [Arabidopsis thaliana]'		

Seq. No.	16359	Seq. ID	OJ990827_02.9B09.C7
Gene No.	34457	Strand	+
Start	160	End	2940
Name	OJ990827_02.9B09.C7.o2.tm	Method	TBLASTX:Maize
Start	637	End	945
GI	none	Score	318
Exons	637..945, 684..866, 737..880, 766..942		

Seq. No.	16359	Seq. ID	OJ990827_02.9B09.C7

Gene No.	34457	Strand	+
Start	160	End	2940
Name	OJ990827_02.9B09.C7.o1.tm	Method	TBLASTX:Maize
Start	1468	End	1742
GI	none	Score	391
Exons	1468..1740, 1469..1741, 1470..1742, 1470..1742		

Seq. No.	16359	Seq. ID	OJ990827_02.9B09.C7
Gene No.	34457	Strand	+
Start	160	End	2940
Name	OJ990827_02.9B09.C7.o3.tm	Method	TBLASTX:Maize
Start	1926	End	2390
GI	none	Score	301
Exons	1926..2390, 2165..2383		

Seq. No.	16359	Seq. ID	OJ990827_02.9B09.C7
Gene No.	34457	Strand	+
Start	160	End	2940
Name	OJ990827_02.9B09.C7.o3.tw	Method	TBLASTX:Wheat
Start	2033	End	2233
GI	none	Score	257
Exons	2033..2233, 2034..2231, 2041..2232		

Seq. No.	16359	Seq. ID	OJ990827_02.9B09.C7
Gene No.	34457	Strand	+
Start	160	End	2940
Name	OJ990827_02.9B09.C7.o1.ts	Method	TBLASTX:Soybean
Start	2178	End	2576
GI	none	Score	190
Exons	2178..2399, 2249..2395, 2403..2576		

Seq. No.	16359	Seq. ID	OJ990827_02.9B09.C7
Gene No.	34457	Strand	+
Start	160	End	2940
Name	OJ990827_02.9B09.C7.o1.tw	Method	TBLASTX:Wheat
Start	2234	End	2939
GI	none	Score	265
Exons	2234..2641, 2234..2698, 2241..2939, 2792..2938		

Seq. No.	16359	Seq. ID	OJ990827_02.9B09.C7
Gene No.	34457	Strand	+
Start	160	End	2940
Name	OJ990827_02.9B09.C7.o2.gs	Method	GENSCAN
Start	2465	End	2918
GI	none	Score	.93
Exons	2465..2483, 2734..2918		

Seq. No.	16360	Seq. ID	OJ990827_02.9B09.C8
Gene No.	34458	Strand	+
Start	1	End	1169
Name	OJ990827_02.9B09.C8.o1.np	Method	AAT/NAP
Start	1	End	1169
GI	6630696	Score	1929
Exons	1..1169		
GI Descrip.	(AP000969) ESTs D22114(C10364), AU076106(E20423) correspond to a region of the predicted gene.; Similar to retrovirus-related pol polyprotein from transposon Tnt 1-94. (P10978) [Oryza sativa]		

Seq. No.	16360	Seq. ID	OJ990827_02.9B09.C8
Gene No.	34459	Strand	+
Start	1934	End	2222
Name	OJ990827_02.9B09.C8.o1.gp	Method	AAT/GAP
Start	1934	End	2222
GI	426253	Score	522
Exons	1934..2222		

Seq. No.	16360	Seq. ID	OJ990827_02.9B09.C8
Gene No.	34460	Strand	+
Start	5552	End	7147
Name	OJ990827_02.9B09.C8.o2.np	Method	AAT/NAP
Start	5552	End	7147
GI	3834307	Score	569
Exons	5552..6008, 6338..6503, 6666..6873, 6947..7147		
GI Descrip.	(AC005679) Strong similarity to gene T10I14.120 gi\|2832679 putative protein from Arabidopsis thaliana BAC gb\|AL021712. ESTs gb\|N65887 and gb\|N65627 come from this gene. [Arabidopsis thaliana]		

Seq. No.	16360	Seq. ID	OJ990827_02.9B09.C8
Gene No.	34461	Strand	-
Start	10778	End	11054
Name	OJ990827_02.9B09.C8.o2.tw	Method	TBLASTX:Wheat
Start	2	End	350
GI	none	Score	129
Exons	2..151, 192..350, 218..340		

Seq. No.	16360	Seq. ID	OJ990827_02.9B09.C8
Gene No.	34461	Strand	-
Start	10778	End	11054
Name	OJ990827_02.9B09.C8.o2.ts	Method	TBLASTX:Soybean
Start	203	End	554
GI	none	Score	142
Exons	203..244, 204..362, 362..550, 363..551, 372..554		

Seq. No.	16360	Seq. ID	OJ990827_02.9B09.C8
Gene No.	34461	Strand	-
Start	10778	End	11054
Name	OJ990827_02.9B09.C8.o1.tm	Method	TBLASTX:Maize
Start	330	End	701
GI	none	Score	355
Exons	330..701, 353..700		

Seq. No.	16360	Seq. ID	OJ990827_02.9B09.C8
Gene No.	34461	Strand	-
Start	10778	End	11054
Name	OJ990827_02.9B09.C8.o1.tw	Method	TBLASTX:Wheat
Start	558	End	1033
GI	none	Score	102
Exons	558..632, 559..618, 563..658, 563..631, 647..1033, 648..1031, 649..1032		

Seq. No.	16360	Seq. ID	OJ990827_02.9B09.C8
Gene No.	34461	Strand	-
Start	10778	End	11054

Name	OJ990827_02.9B09.C8.o3.ts	Method	TBLASTX:Soybean
Start	564	End	905
GI	none	Score	96
Exons	564..677, 599..667, 696..905, 701..826		

Seq. No.	16360	Seq. ID	OJ990827_02.9B09.C8
Gene No.	34461	Strand	-
Start	10778	End	11054
Name	OJ990827_02.9B09.C8.o3.tw	Method	TBLASTX:Wheat
Start	1310	End	1664
GI	none	Score	36
Exons	1310..1354, 1310..1342, 1355..1462, 1380..1478, 1388..1450, 1461..1490, 1464..1499, 1535..1663, 1538..1591, 1635..1664		

Seq. No.	16360	Seq. ID	OJ990827_02.9B09.C8
Gene No.	34461	Strand	-
Start	10778	End	11054
Name	OJ990827_02.9B09.C8.o2.tm	Method	TBLASTX:Maize
Start	5540	End	7161
GI	none	Score	73
Exons	5540..5602, 5545..5562, 5555..5602, 5618..5650, 5619..5672, 5619..5672, 5679..5768, 5682..5768, 5686..5772, 5802..5858, 5802..5858, 5860..5886, 5881..5907, 5911..6009, 5915..6010, 5919..6011, 5919..6014, 6337..6402, 6338..6400, 6338..6403, 6402..6425, 6406..6423, 6428..6472, 6642..6803, 6665..6799, 6803..6877, 6947..7045, 6948..7046, 6952..7047, 7074..7145, 7126..7161		

Seq. No.	16360	Seq. ID	OJ990827_02.9B09.C8
Gene No.	34461	Strand	-
Start	10778	End	11054
Name	OJ990827_02.9B09.C8.o1.ts	Method	TBLASTX:Soybean
Start	5802	End	7052
GI	none	Score	80
Exons	5802..5858, 5804..5857, 5915..6010, 5919..6011, 6331..6402, 6338..6400, 6428..6472, 6433..6477, 6618..6785, 6619..6747, 6666..6803, 6668..6799, 6802..6876, 6803..6877, 6938..7045, 6948..7046, 6948..7052		

Seq. No.	16360	Seq. ID	OJ990827_02.9B09.C8
Gene No.	34461	Strand	-
Start	10778	End	11054
Name	OJ990827_02.9B09.C8.o2.gp	Method	AAT/GAP
Start	10778	End	11054
GI	none	Score	528
Exons	10778..11054		

Seq. No.	16361	Seq. ID	OJ990827_02.9B09.C9
Gene No.	34462	Strand	+
Start	5127	End	5651
Name	OJ990827_02.9B09.C9.o2.gs	Method	GENSCAN
Start	5127	End	5651
GI	none	Score	.98
Exons	5127..5235, 5334..5438, 5638..5651		

Seq. No.	16361	Seq. ID	OJ990827_02.9B09.C9
Gene No.	34463	Strand	+

Start	5865	End	5967
Name	OJ990827_02.9B09.C9.o2.gp	Method	AAT/GAP
Start	5865	End	5967
GI	21474_1.R1084	Score	139
Exons	5865..5967		
GI Descrip.	'3894159 2.0e-10 (AC005312) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	16361	Seq. ID	OJ990827_02.9B09.C9
Gene No.	34464	Strand	-
Start	591	End	5672
Name	OJ990827_02.9B09.C9.o1.gs	Method	GENSCAN
Start	591	End	4733
GI	none	Score	.73
Exons	591..613, 1754..2135, 2375..2530, 2961..3192, 4687..4733		

Seq. No.	16361	Seq. ID	OJ990827_02.9B09.C9
Gene No.	34464	Strand	-
Start	591	End	5672
Name	OJ990827_02.9B09.C9.o1.np	Method	AAT/NAP
Start	1684	End	2231
GI	3834306	Score	177
Exons	1684..1826, 1893..2231		
GI Descrip.	(AC005679) EST gb\|R65024 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	16361	Seq. ID	OJ990827_02.9B09.C9
Gene No.	34464	Strand	-
Start	591	End	5672
Name	OJ990827_02.9B09.C9.o1.gp	Method	AAT/GAP
Start	1753	End	2131
GI	2428431	Score	668
Exons	1753..2131		
GI Descrip.	3834306 7.0e-11 (AC005679) EST gb_R65024 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	16361	Seq. ID	OJ990827_02.9B09.C9
Gene No.	34464	Strand	-
Start	591	End	5672
Name	OJ990827_02.9B09.C9.o2.np	Method	AAT/NAP
Start	2434	End	5672
GI	5852093	Score	86
Exons	2434..2465, 4166..4271, 5601..5672		
GI Descrip.	(AL117264) zwh16.1 [Oryza sativa]		

Seq. No.	16361	Seq. ID	OJ990827_02.9B09.C9
Gene No.	34465	Strand	-
Start	6328	End	11075
Name	OJ990827_02.9B09.C9.o1.tc	Method	TBLASTX:Cress
Start	1752	End	2039
GI	none	Score	85
Exons	1752..1826, 1941..2039, 1942..2028		

Seq. No.	16361	Seq. ID	OJ990827_02.9B09.C9
Gene No.	34465	Strand	-
Start	6328	End	11075
Name	OJ990827_02.9B09.C9.o1.tm	Method	TBLASTX:Maize

Start	1896	End	2234
GI	none	Score	175
Exons	1896..2051, 1900..2058, 1911..2054, 2106..2150, 2211..2234		

Seq. No.	16361	Seq. ID	OJ990827_02.9B09.C9
Gene No.	34465	Strand	-
Start	6328	End	11075
Name	OJ990827_02.9B09.C9.o3.gp	Method	AAT/GAP
Start	6026	End	11075
GI	LIB3477-003-P1-K1-E9	Score	140
Exons	6026..6072, 11015..11075		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	16361	Seq. ID	OJ990827_02.9B09.C9
Gene No.	34465	Strand	-
Start	6328	End	11075
Name	OJ990827_02.9B09.C9.o3.gs	Method	GENSCAN
Start	6328	End	10036
GI	none	Score	.58
Exons	6328..6513, 6593..6691, 6794..6866, 6951..7061, 7158..7331, 7441..8126, 8128..8273, 8399..8540, 8615..10036		

Seq. No.	16361	Seq. ID	OJ990827_02.9B09.C9
Gene No.	34465	Strand	-
Start	6328	End	11075
Name	OJ990827_02.9B09.C9.o3.np	Method	AAT/NAP
Start	6349	End	10051
GI	4680204	Score	1042
Exons	6349..6483, 6842..7061, 7158..7331, 7441..8540, 8615..10051		
GI Descrip.	(AF114171) hypothetical protein [Sorghum bicolor]		

Seq. No.	16361	Seq. ID	OJ990827_02.9B09.C9
Gene No.	34465	Strand	-
Start	6328	End	11075
Name	OJ990827_02.9B09.C9.o2.tw	Method	TBLASTX:Wheat
Start	6992	End	7514
GI	none	Score	70
Exons	6992..7063, 7163..7345, 7170..7295, 7434..7514		

Seq. No.	16361	Seq. ID	OJ990827_02.9B09.C9
Gene No.	34465	Strand	-
Start	6328	End	11075
Name	OJ990827_02.9B09.C9.o1.tw	Method	TBLASTX:Wheat
Start	9005	End	9408
GI	none	Score	42
Exons	9005..9100, 9005..9175, 9138..9305, 9170..9406, 9257..9406, 9268..9408, 9292..9408		

Seq. No.	16362	Seq. ID	OJ990827_02.9B09.C10
Gene No.	34466	Strand	+
Start	911	End	1354
Name	OJ990827_02.9B09.C10.o4.gp	Method	AAT/GAP
Start	911	End	1354
GI	LIB3431-028-P1-N1-A10	Score	797
Exons	911..981, 1009..1354		

GI Descrip.	'4680203/gb\|AAD27566.1\|AF114171_7 3.0e-33 (AF114171) TNP2-like protein [Sorghum bicolor]'		
Seq. No.	16362	Seq. ID	OJ990827_02.9B09.C10
Gene No.	34467	Strand	-
Start	38	End	6183
Name	OJ990827_02.9B09.C10.o1.gp	Method	AAT/GAP
Start	38	End	4127
GI	342_1.R1084	Score	6754
Exons	38..557, 667..764, 847..866, 902..4127		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	16362	Seq. ID	OJ990827_02.9B09.C10
Gene No.	34467	Strand	-
Start	38	End	6183
Name	OJ990827_02.9B09.C10.o3.gp	Method	AAT/GAP
Start	38	End	4139
GI	342_1.R1084	Score	6762
Exons	38..557, 667..764, 847..866, 902..4139		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	16362	Seq. ID	OJ990827_02.9B09.C10
Gene No.	34467	Strand	-
Start	38	End	6183
Name	OJ990827_02.9B09.C10.o2.gp	Method	AAT/GAP
Start	38	End	4135
GI	342_1.R1084	Score	6758
Exons	38..557, 667..764, 847..866, 902..4135		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	16362	Seq. ID	OJ990827_02.9B09.C10
Gene No.	34467	Strand	-
Start	38	End	6183
Name	OJ990827_02.9B09.C10.o6.gp	Method	AAT/GAP
Start	212	End	4300
GI	342_1.R1084	Score	6646
Exons	212..557, 667..764, 847..866, 902..4300		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	16362	Seq. ID	OJ990827_02.9B09.C10
Gene No.	34467	Strand	-
Start	38	End	6183
Name	OJ990827_02.9B09.C10.o5.gp	Method	AAT/GAP
Start	213	End	4300
GI	342_1.R1084	Score	6644
Exons	213..557, 667..764, 847..866, 902..4300		
GI Descrip.	'4574406/gb\|AAD24042.1\| 0.0e+00 (AF121139) RIM2 protein [Oryza sativa]'		
Seq. No.	16362	Seq. ID	OJ990827_02.9B09.C10
Gene No.	34467	Strand	-
Start	38	End	6183
Name	OJ990827_02.9B09.C10.o1.np	Method	AAT/NAP

Start	995	End	5628
GI	4680203	Score	3283
Exons	995..1971, 2248..2478, 2632..4304, 5575..5628		
GI Descrip.	(AF114171) TNP2-like protein [Sorghum bicolor]		

Seq. No.	16362	Seq. ID	OJ990827_02.9B09.C10
Gene No.	34467	Strand	-
Start	38	End	6183
Name	OJ990827_02.9B09.C10.o1.tw	Method	TBLASTX:Wheat
Start	1049	End	2365
GI	none	Score	124
Exons	1049..1141, 1130..1177, 1171..1209, 1214..1333, 1222..1335, 1223..1336, 1345..1401, 1352..1405, 1408..1452, 1413..1433, 1447..2364, 1463..2365, 1640..2365		

Seq. No.	16362	Seq. ID	OJ990827_02.9B09.C10
Gene No.	34467	Strand	-
Start	38	End	6183
Name	OJ990827_02.9B09.C10.o1.tc	Method	TBLASTX:Cress
Start	1630	End	2081
GI	none	Score	189
Exons	1630..2067, 1630..2073, 1634..2077, 1640..2077, 1926..2081		

Seq. No.	16362	Seq. ID	OJ990827_02.9B09.C10
Gene No.	34467	Strand	-
Start	38	End	6183
Name	OJ990827_02.9B09.C10.o2.tm	Method	TBLASTX:Maize
Start	2008	End	2322
GI	none	Score	67
Exons	2008..2238, 2008..2322, 2036..2311		

Seq. No.	16362	Seq. ID	OJ990827_02.9B09.C10
Gene No.	34467	Strand	-
Start	38	End	6183
Name	OJ990827_02.9B09.C10.o3.tw	Method	TBLASTX:Wheat
Start	2366	End	2776
GI	none	Score	81
Exons	2366..2452, 2368..2457, 2368..2451, 2485..2703, 2525..2707, 2713..2775, 2726..2776		

Seq. No.	16362	Seq. ID	OJ990827_02.9B09.C10
Gene No.	34467	Strand	-
Start	38	End	6183
Name	OJ990827_02.9B09.C10.o2.ts	Method	TBLASTX:Soybean
Start	2809	End	3051
GI	none	Score	207
Exons	2809..3051		

Seq. No.	16362	Seq. ID	OJ990827_02.9B09.C10
Gene No.	34467	Strand	-
Start	38	End	6183
Name	OJ990827_02.9B09.C10.o1.tm	Method	TBLASTX:Maize
Start	2881	End	3326
GI	none	Score	102
Exons	2881..3072, 3085..3210, 3204..3326		

Seq. No.	16362	Seq. ID	OJ990827_02.9B09.C10

Gene No.	34467	Strand	-
Start	38	End	6183
Name	OJ990827_02.9B09.C10.o2.tw	Method	TBLASTX:Wheat
Start	2915	End	3383
GI	none	Score	124
Exons	2915..3121, 2920..3123, 2920..3144, 3124..3210, 3125..3211, 3131..3214, 3225..3329, 3229..3318, 3330..3383, 3331..3375		

Seq. No.	16362	Seq. ID	OJ990827_02.9B09.C10
Gene No.	34467	Strand	-
Start	38	End	6183
Name	OJ990827_02.9B09.C10.o2.tc	Method	TBLASTX:Cress
Start	3204	End	3519
GI	none	Score	71
Exons	3204..3512, 3232..3327, 3367..3519		

Seq. No.	16362	Seq. ID	OJ990827_02.9B09.C10
Gene No.	34467	Strand	-
Start	38	End	6183
Name	OJ990827_02.9B09.C10.o1.ts	Method	TBLASTX:Soybean
Start	3252	End	3681
GI	none	Score	116
Exons	3252..3548, 3273..3494, 3543..3605, 3598..3681, 3606..3680		

Seq. No.	16362	Seq. ID	OJ990827_02.9B09.C10
Gene No.	34467	Strand	-
Start	38	End	6183
Name	OJ990827_02.9B09.C10.o4.tw	Method	TBLASTX:Wheat
Start	3597	End	3953
GI	none	Score	172
Exons	3597..3854, 3602..3853, 3612..3863, 3613..3855, 3846..3953		

Seq. No.	16362	Seq. ID	OJ990827_02.9B09.C10
Gene No.	34467	Strand	-
Start	38	End	6183
Name	OJ990827_02.9B09.C10.o7.gp	Method	AAT/GAP
Start	4165	End	4755
GI	2310235	Score	299
Exons	4165..4304, 4718..4755		
GI Descrip.	5852182/emb\|CAB55420.1\| 9.0e-13 (AL117265) zhb0012.1 [Oryza sativa]		

Seq. No.	16362	Seq. ID	OJ990827_02.9B09.C10
Gene No.	34467	Strand	-
Start	38	End	6183
Name	OJ990827_02.9B09.C10.o2.np	Method	AAT/NAP
Start	5484	End	6183
GI	6016874	Score	140
Exons	5484..5687, 6136..6183		
GI Descrip.	(AP000570) ESTs C19143(E10020),D25076(R3116) correspond to a region of the predicted gene.; Similar to putative AC9 transposase. (P03010) [Oryza sativa]		

Seq. No.	16363	Seq. ID	OJ990827_02.9B09.C11
Gene No.	34468	Strand	+
Start	1	End	2342
Name	OJ990827_02.9B09.C11.o1.np	Method	AAT/NAP

Start	1	End	2342
GI	6539555	Score	69
Exons	1..63, 643..790, 2265..2342		
GI Descrip.	(AP000836) Similar to mariner transposase (AF078934) [Oryza sativa] gi\|6539592\|dbj\|BAA88208.1\| (AP000837) Similar to mariner transposase (AF078934) [Oryza sativa]		

Seq. No.	16363	Seq. ID	OJ990827_02.9B09.C11
Gene No.	34468	Strand	+
Start	1	End	2342
Name	OJ990827_02.9B09.C11.o1.gp	Method	AAT/GAP
Start	946	End	1373
GI	none	Score	792
Exons	946..1373		

Seq. No.	16363	Seq. ID	OJ990827_02.9B09.C11
Gene No.	34469	Strand	-
Start	1270	End	2918
Name	OJ990827_02.9B09.C11.o1.gs	Method	GENSCAN
Start	1270	End	2918
GI	none	Score	.7
Exons	1270..1920, 1973..2110, 2130..2918		

Seq. No.	16363	Seq. ID	OJ990827_02.9B09.C11
Gene No.	34469	Strand	-
Start	1270	End	2918
Name	OJ990827_02.9B09.C11.o2.gp	Method	AAT/GAP
Start	2212	End	2702
GI	uC-osroM202029a07a1	Score	950
Exons	2212..2702		
GI Descrip.	'1420932/gb\|U61383\|ORU61383 7.0e-21 Oryza rufipogon 4-coumarate-CoA ligase gene, intron 1, partial sequence'		

Seq. No.	16364	Seq. ID	OJ990827_02.9B09.C12
Gene No.	34470	Strand	-
Start	1	End	677
Name	OJ990827_02.9B09.C12.o1.np	Method	AAT/NAP
Start	1	End	677
GI	3834306	Score	99
Exons	1..101, 164..434, 637..677		
GI Descrip.	(AC005679) EST gb\|R65024 comes from this gene. [Arabidopsis thaliana]		

Seq. No.	16364	Seq. ID	OJ990827_02.9B09.C12
Gene No.	34470	Strand	-
Start	1	End	677
Name	OJ990827_02.9B09.C12.o1.tm	Method	TBLASTX:Maize
Start	146	End	358
GI	none	Score	213
Exons	146..358, 147..341		

Seq. No.	16365	Seq. ID	OJ990827_02.9B09.C13
Gene No.	34471	Strand	+
Start	3056	End	6398
Name	OJ990827_02.9B09.C13.o1.gp	Method	AAT/GAP
Start	3056	End	3533
GI	98342_1.R1084	Score	926

Exons	3056..3533		
GI Descrip.	'4521193/dbj\|AB013450.1\|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene'		
Seq. No.	16365	Seq. ID	OJ990827_02.9B09.C13
Gene No.	34471	Strand	+
Start	3056	End	6398
Name	OJ990827_02.9B09.C13.o1.np	Method	AAT/NAP
Start	3066	End	5538
GI	4680501	Score	407
Exons	3066..3162, 4421..4655, 4733..5538		
GI Descrip.	(AF119222) hypothetical protein [Oryza sativa]		
Seq. No.	16365	Seq. ID	OJ990827_02.9B09.C13
Gene No.	34471	Strand	+
Start	3056	End	6398
Name	OJ990827_02.9B09.C13.o2.gs	Method	GENSCAN
Start	4324	End	6398
GI	none	Score	.52
Exons	4324..5457, 5983..6398		
Seq. No.	16365	Seq. ID	OJ990827_02.9B09.C13
Gene No.	34471	Strand	+
Start	3056	End	6398
Name	OJ990827_02.9B09.C13.o2.np	Method	AAT/NAP
Start	4751	End	6346
GI	6862923	Score	287
Exons	4751..4779, 4979..5563, 6276..6346		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		
Seq. No.	16365	Seq. ID	OJ990827_02.9B09.C13
Gene No.	34472	Strand	-
Start	483	End	3017
Name	OJ990827_02.9B09.C13.o1.gs	Method	GENSCAN
Start	483	End	3017
GI	none	Score	.59
Exons	483..592, 776..893, 941..1081, 2907..2964, 2998..3017		
Seq. No.	16365	Seq. ID	OJ990827_02.9B09.C13
Gene No.	34473	Strand	
Start	4975	End	6463
Name	OJ990827_02.9B09.C13.o1.tm	Method	TBLASTX:Maize
Start	4975	End	6463
GI	none	Score	140
Exons	4975..5139, 5034..5141, 5161..5286, 5274..5537, 5275..5538, 6377..6463		
Seq. No.	16365	Seq. ID	OJ990827_02.9B09.C13
Gene No.	34473	Strand	
Start	4975	End	6463
Name	OJ990827_02.9B09.C13.o1.ts	Method	TBLASTX:Soybean
Start	4975	End	6463
GI	none	Score	150
Exons	4975..5139, 5004..5138, 5161..5286, 5274..5540, 5275..5541, 6166..6234, 6217..6261, 6370..6456, 6371..6463		
Seq. No.	16366	Seq. ID	OJ990827_02.9B09.C14

Gene No.	34474	Strand	+
Start	1	End	1491
Name	OJ990827_02.9B09.C14.o1.np	Method	AAT/NAP
Start	1	End	1491
GI	6862923	Score	93
Exons	1..35, 120..395, 1436..1491		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	16366	Seq. ID	OJ990827_02.9B09.C14
Gene No.	34475	Strand	+
Start	6460	End	6688
Name	OJ990827_02.9B09.C14.o1.gp	Method	AAT/GAP
Start	6460	End	6688
GI	3761181	Score	340
Exons	6460..6688		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	16366	Seq. ID	OJ990827_02.9B09.C14
Gene No.	34476	Strand	+
Start	6697	End	6802
Name	OJ990827_02.9B09.C14.o2.gp	Method	AAT/GAP
Start	6697	End	6802
GI	5816518	Score	155
Exons	6697..6802		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	16366	Seq. ID	OJ990827_02.9B09.C14
Gene No.	34477	Strand	+
Start	14362	End	17074
Name	OJ990827_02.9B09.C14.o4.np	Method	AAT/NAP
Start	14362	End	17074
GI	5734642	Score	124
Exons	14362..14440, 14529..14603, 14729..14799, 14889..14927, 15205..15308, 17013..17074		
GI Descrip.	(AP000391) ESTs C22657(S0014),C22656(S0014) correspond to a region of the predicted gene.; Similar to receptor protein kinase, ERECTA (AC004484) [Oryza sativa] gi\|6006357\|dbj\|BAA84787.1\| (AP000559) ESTs C22657(S0014),C22656(S0014) correspond to a region of the predicted gene.; Similar to receptor protein kinase, ERECTA (AC004484) [Oryza sativa]		

Seq. No.	16366	Seq. ID	OJ990827_02.9B09.C14
Gene No.	34478	Strand	-
Start	1531	End	5252
Name	OJ990827_02.9B09.C14.o2.np	Method	AAT/NAP
Start	1531	End	5252
GI	6063557	Score	380
Exons	1531..1682, 1931..2116, 5191..5252		
GI Descrip.	(AP000615) similar to dJ522J7.2 (Z98885) [Oryza sativa]		

Seq. No.	16366	Seq. ID	OJ990827_02.9B09.C14
Gene No.	34479	Strand	-
Start	8413	End	13926
Name	OJ990827_02.9B09.C14.o3.np	Method	AAT/NAP

Start	8255	End	13926
GI	5091513	Score	2181
Exons	8255..8445, 8480..8697, 9158..9268, 9482..10304, 11135..12063, 13272..13373, 13777..13926		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	16366	Seq. ID	OJ990827_02.9B09.C14
Gene No.	34479	Strand	-
Start	8413	End	13926
Name	OJ990827_02.9B09.C14.o2.gs	Method	GENSCAN
Start	8413	End	12455
GI	none	Score	.42
Exons	8413..8739, 8863..8974, 8994..9198, 9555..10381, 11017..12134, 12432..12455		

Seq. No.	16366	Seq. ID	OJ990827_02.9B09.C14
Gene No.	34479	Strand	-
Start	8413	End	13926
Name	OJ990827_02.9B09.C14.o3.gp	Method	AAT/GAP
Start	12523	End	12751
GI	3761181	Score	341
Exons	12523..12751		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	16366	Seq. ID	OJ990827_02.9B09.C14
Gene No.	34479	Strand	-
Start	8413	End	13926
Name	OJ990827_02.9B09.C14.o4.gp	Method	AAT/GAP
Start	12759	End	12865
GI	5816518	Score	161
Exons	12759..12865		
GI Descrip.	4521193/dbj\|AB013450.1\|AB013450 3.0e-40 Oryza sativa DNA, similar sequence to Pib gene		

Seq. No.	16366	Seq. ID	OJ990827_02.9B09.C14
Gene No.	34480	Strand	-
Start	14132	End	14553
Name	OJ990827_02.9B09.C14.o5.gp	Method	AAT/GAP
Start	14132	End	14553
GI	LIB3477-003-P1-K1-E9	Score	106
Exons	14132..14209, 14533..14553		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	16366	Seq. ID	OJ990827_02.9B09.C14
Gene No.	34481	Strand	
Start	16684	End	16962
Name	OJ990827_02.9B09.C14.o1.ts	Method	TBLASTX:Soybean
Start	16684	End	16962
GI	none	Score	79
Exons	16684..16794, 16685..16795, 16849..16962, 16867..16950		

Seq. No.	16367	Seq. ID	OJ990827_02.9B09.C16
Gene No.	34482	Strand	+
Start	1382	End	1856

Name	OJ990827_02.9B09.C16.o1.gp	Method	AAT/GAP
Start	1382	End	1856
GI	LIB3432-059-P1-K1-D8	Score	720
Exons	1382..1856		
GI Descrip.	'5734616/dbj\|AP000391.1\|AP000391 0.0e+00 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	16367	Seq. ID	OJ990827_02.9B09.C16
Gene No.	34483	Strand	+
Start	6258	End	9971
Name	OJ990827_02.9B09.C16.o2.gs	Method	GENSCAN
Start	6258	End	9855
GI	none	Score	.8
Exons	6258..6299, 6996..7177, 8891..9089, 9224..9288, 9495..9613, 9632..9855		

Seq. No.	16367	Seq. ID	OJ990827_02.9B09.C16
Gene No.	34483	Strand	+
Start	6258	End	9971
Name	OJ990827_02.9B09.C16.o1.np	Method	AAT/NAP
Start	7517	End	9971
GI	4680186	Score	178
Exons	7517..7552, 8891..9046, 9932..9971		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	16367	Seq. ID	OJ990827_02.9B09.C16
Gene No.	34484	Strand	-
Start	780	End	4791
Name	OJ990827_02.9B09.C16.o1.gs	Method	GENSCAN
Start	780	End	4791
GI	none	Score	.51
Exons	780..912, 1064..1151, 2967..3019, 4018..4281, 4747..4791		

Seq. No.	16367	Seq. ID	OJ990827_02.9B09.C16
Gene No.	34485	Strand	-
Start	9201	End	9603
Name	OJ990827_02.9B09.C16.o2.gp	Method	AAT/GAP
Start	9201	End	9603
GI	4878407	Score	588
Exons	9201..9603		
GI Descrip.	6069643/dbj\|AP000616.1\|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	16368	Seq. ID	OJ990827_02.9B09.C17
Gene No.	34486	Strand	+
Start	122	End	6870
Name	OJ990827_02.9B09.C17.o1.np	Method	AAT/NAP
Start	122	End	6870
GI	6069653	Score	862
Exons	122..232, 1103..1291, 6238..6870		
GI Descrip.	(AP000616) hypothetical protein [Oryza sativa]		

Seq. No.	16368	Seq. ID	OJ990827_02.9B09.C17
Gene No.	34487	Strand	-
Start	82	End	4930
Name	OJ990827_02.9B09.C17.o1.gs	Method	GENSCAN
Start	82	End	4930

GI	none	Score	.56
Exons	82..187, 406..841, 916..1070, 1990..2857, 3206..3396, 4054..4148, 4475..4613, 4863..4930		

Seq. No.	16368	Seq. ID	OJ990827_02.9B09.C17
Gene No.	34487	Strand	-
Start	82	End	4930
Name	OJ990827_02.9B09.C17.o1.tm	Method	TBLASTX:Maize
Start	2523	End	2822
GI	none	Score	78
Exons	2523..2822, 2644..2790		

Seq. No.	16368	Seq. ID	OJ990827_02.9B09.C17
Gene No.	34487	Strand	-
Start	82	End	4930
Name	OJ990827_02.9B09.C17.o1.tw	Method	TBLASTX:Wheat
Start	2703	End	3077
GI	none	Score	258
Exons	2703..3077		

Seq. No.	16368	Seq. ID	OJ990827_02.9B09.C17
Gene No.	34487	Strand	-
Start	82	End	4930
Name	OJ990827_02.9B09.C17.o1.gp	Method	AAT/GAP
Start	4374	End	4800
GI	4878407	Score	664
Exons	4374..4800		
GI Descrip.	6069643/dbj\|AP000616.1\|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	16369	Seq. ID	OJ990827_02.9B09.C18
Gene No.	34488	Strand	+
Start	5131	End	5334
Name	OJ990827_02.9B09.C18.o4.gs	Method	GENSCAN
Start	5131	End	5334
GI	none	Score	.85
Exons	5131..5334		

Seq. No.	16369	Seq. ID	OJ990827_02.9B09.C18
Gene No.	34489	Strand	-
Start	1759	End	2931
Name	OJ990827_02.9B09.C18.o1.np	Method	AAT/NAP
Start	1682	End	2931
GI	6862923	Score	608
Exons	1682..2931		
GI Descrip.	(AC018907) unknown protein [Arabidopsis thaliana]		

Seq. No.	16369	Seq. ID	OJ990827_02.9B09.C18
Gene No.	34489	Strand	-
Start	1759	End	2931
Name	OJ990827_02.9B09.C18.o2.gs	Method	GENSCAN
Start	1759	End	2913
GI	none	Score	.9
Exons	1759..2913		

Seq. No.	16369	Seq. ID	OJ990827_02.9B09.C18
Gene No.	34490	Strand	-

Start	3248	End	4637
Name	OJ990827_02.9B09.C18.o2.tc	Method	TBLASTX:Cress
Start	1768	End	2088
GI	none	Score	74
Exons	1768..2088, 1856..2032		

Seq. No.	16369	Seq. ID	OJ990827_02.9B09.C18
Gene No.	34490	Strand	-
Start	3248	End	4637
Name	OJ990827_02.9B09.C18.o1.ts	Method	TBLASTX:Soybean
Start	1775	End	2505
GI	none	Score	84
Exons	1775..2032, 1777..2052, 2101..2346, 2102..2344, 2404..2505		

Seq. No.	16369	Seq. ID	OJ990827_02.9B09.C18
Gene No.	34490	Strand	-
Start	3248	End	4637
Name	OJ990827_02.9B09.C18.o1.tm	Method	TBLASTX:Maize
Start	1777	End	2892
GI	none	Score	93
Exons	1777..2052, 1778..2032, 1840..2049, 2095..2205, 2104..2346, 2105..2287, 2404..2538, 2683..2781, 2764..2892		

Seq. No.	16369	Seq. ID	OJ990827_02.9B09.C18
Gene No.	34490	Strand	-
Start	3248	End	4637
Name	OJ990827_02.9B09.C18.o2.tw	Method	TBLASTX:Wheat
Start	1792	End	2172
GI	none	Score	75
Exons	1792..1878, 1873..2052, 2101..2172		

Seq. No.	16369	Seq. ID	OJ990827_02.9B09.C18
Gene No.	34490	Strand	-
Start	3248	End	4637
Name	OJ990827_02.9B09.C18.o1.tc	Method	TBLASTX:Cress
Start	2104	End	2347
GI	none	Score	129
Exons	2104..2346, 2114..2347		

Seq. No.	16369	Seq. ID	OJ990827_02.9B09.C18
Gene No.	34490	Strand	-
Start	3248	End	4637
Name	OJ990827_02.9B09.C18.o1.tw	Method	TBLASTX:Wheat
Start	2194	End	2502
GI	none	Score	125
Exons	2194..2349, 2195..2347, 2254..2349, 2389..2496, 2425..2502		

Seq. No.	16369	Seq. ID	OJ990827_02.9B09.C18
Gene No.	34490	Strand	-
Start	3248	End	4637
Name	OJ990827_02.9B09.C18.o3.gs	Method	GENSCAN
Start	3248	End	4637
GI	none	Score	.98
Exons	3248..3261, 3571..3798, 4553..4637		

Seq. No.	16370	Seq. ID	OJ990827_02.9B09.C19
Gene No.	34491	Strand	+

Start	19	End	2942
Name	OJ990827_02.9B09.C19.o1.gs	Method	GENSCAN
Start	19	End	2942
GI	none	Score	.45
Exons	19..154, 506..673, 776..916, 992..1285, 1861..2056, 2192..2942		

Seq. No.	16370	Seq. ID	OJ990827_02.9B09.C19
Gene No.	34491	Strand	+
Start	19	End	2942
Name	OJ990827_02.9B09.C19.o1.tm	Method	TBLASTX:Maize
Start	874	End	1152
GI	none	Score	156
Exons	874..999, 885..998, 1024..1152		

Seq. No.	16370	Seq. ID	OJ990827_02.9B09.C19
Gene No.	34491	Strand	+
Start	19	End	2942
Name	OJ990827_02.9B09.C19.o1.ts	Method	TBLASTX:Soybean
Start	2382	End	2744
GI	none	Score	204
Exons	2382..2744		

Seq. No.	16371	Seq. ID	OJ990827_02.9B09.C20
Gene No.	34492	Strand	-
Start	1	End	549
Name	OJ990827_02.9B09.C20.o1.np	Method	AAT/NAP
Start	1	End	549
GI	5091513	Score	908
Exons	1..549		
GI Descrip.	(AB023482) Hypothetical protein [Oryza sativa]		

Seq. No.	16371	Seq. ID	OJ990827_02.9B09.C20
Gene No.	34492	Strand	-
Start	1	End	549
Name	OJ990827_02.9B09.C20.o1.gs	Method	GENSCAN
Start	50	End	493
GI	none	Score	.96
Exons	50..493		

Seq. No.	16372	Seq. ID	OJ990907_02.9B19.C2
Gene No.	34493	Strand	+
Start	97	End	4039
Name	OJ990907_02.9B19.C2.o1.gs	Method	GENSCAN
Start	97	End	4039
GI	none	Score	.58
Exons	97..253, 607..652, 740..803, 1075..1281, 1587..1839, 2353..2512, 2922..2943, 3048..3163, 3229..4039		

Seq. No.	16372	Seq. ID	OJ990907_02.9B19.C2
Gene No.	34494	Strand	+
Start	7556	End	8366
Name	OJ990907_02.9B19.C2.o1.np	Method	AAT/NAP
Start	7556	End	8366
GI	5921832	Score	226
Exons	7556..7657, 7926..8132, 8166..8366		
GI Descrip.	COPPER TRANSPORTER 1 gi\|1082054\|emb\|CAA90018\| (Z49859) copper transporter protein [Arabidopsis thaliana]		

Seq. No.	16372	Seq. ID	OJ990907_02.9B19.C2
Gene No.	34495	Strand	+
Start	9690	End	13972
Name	OJ990907_02.9B19.C2.o3.gs	Method	GENSCAN
Start	9690	End	13972
GI	none	Score	.84
Exons	9690..9771, 11289..11308, 13245..13368, 13692..13972		

Seq. No.	16372	Seq. ID	OJ990907_02.9B19.C2
Gene No.	34496	Strand	-
Start	4533	End	8230
Name	OJ990907_02.9B19.C2.o2.gs	Method	GENSCAN
Start	4533	End	8230
GI	none	Score	.4
Exons	4533..5065, 5374..5491, 7820..8230		

Seq. No.	16373	Seq. ID	OJ990907_02.9B19.C3
Gene No.	34497	Strand	+
Start	875	End	981
Name	OJ990907_02.9B19.C3.o1.gs	Method	GENSCAN
Start	875	End	981
GI	none	Score	.97
Exons	875..981		

Seq. No.	16373	Seq. ID	OJ990907_02.9B19.C3
Gene No.	34498	Strand	+
Start	1952	End	2592
Name	OJ990907_02.9B19.C3.o2.gs	Method	GENSCAN
Start	1952	End	2592
GI	none	Score	.94
Exons	1952..2285, 2576..2592		

Seq. No.	16373	Seq. ID	OJ990907_02.9B19.C3
Gene No.	34498	Strand	+
Start	1952	End	2592
Name	OJ990907_02.9B19.C3.o1.np	Method	AAT/NAP
Start	1955	End	2299
GI	4895197	Score	242
Exons	1955..2299		
GI Descrip.	(AC007661) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	16373	Seq. ID	OJ990907_02.9B19.C3
Gene No.	34499	Strand	+
Start	5652	End	6443
Name	OJ990907_02.9B19.C3.o3.gs	Method	GENSCAN
Start	5652	End	6443
GI	none	Score	.9
Exons	5652..5994, 6415..6443		

Seq. No.	16373	Seq. ID	OJ990907_02.9B19.C3
Gene No.	34499	Strand	+
Start	5652	End	6443
Name	OJ990907_02.9B19.C3.o2.np	Method	AAT/NAP
Start	5661	End	6008
GI	4895197	Score	199
Exons	5661..6008		

GI Descrip. (AC007661) hypothetical protein [Arabidopsis thaliana]

Seq. No.	16373	Seq. ID	OJ990907_02.9B19.C3
Gene No.	34500	Strand	+
Start	7389	End	8130
Name	OJ990907_02.9B19.C3.o1.tc	Method	TBLASTX:Cress
Start	2018	End	6025
GI	none	Score	137
Exons	2018..2137, 2047..2130, 2153..2284, 2158..2283, 5732..5833, 5733..5804, 5862..5993, 5873..6025		

Seq. No.	16373	Seq. ID	OJ990907_02.9B19.C3
Gene No.	34500	Strand	+
Start	7389	End	8130
Name	OJ990907_02.9B19.C3.o1.ts	Method	TBLASTX:Soybean
Start	2018	End	5993
GI	none	Score	38
Exons	2018..2038, 2039..2152, 2153..2284, 2158..2283, 5871..5993, 5876..5992		

Seq. No.	16373	Seq. ID	OJ990907_02.9B19.C3
Gene No.	34500	Strand	+
Start	7389	End	8130
Name	OJ990907_02.9B19.C3.o1.tw	Method	TBLASTX:Wheat
Start	2018	End	6034
GI	none	Score	181
Exons	2018..2152, 2047..2148, 2087..2284, 2153..2191, 2155..2283, 5732..5875, 5733..5876, 5862..5993, 5864..6025, 5864..6034		

Seq. No.	16373	Seq. ID	OJ990907_02.9B19.C3
Gene No.	34500	Strand	+
Start	7389	End	8130
Name	OJ990907_02.9B19.C3.o2.tm	Method	TBLASTX:Maize
Start	2021	End	5995
GI	none	Score	402
Exons	2021..2284, 2041..2283, 5732..5869, 5733..5807, 5862..5993, 5864..5995, 5873..5992, 5922..5993		

Seq. No.	16373	Seq. ID	OJ990907_02.9B19.C3
Gene No.	34500	Strand	+
Start	7389	End	8130
Name	OJ990907_02.9B19.C3.o3.np	Method	AAT/NAP
Start	7261	End	8130
GI	5306268	Score	414
Exons	7261..7450, 7551..7615, 7688..7871, 7963..8130		
GI Descrip.	(AC006233) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	16373	Seq. ID	OJ990907_02.9B19.C3
Gene No.	34500	Strand	+
Start	7389	End	8130
Name	OJ990907_02.9B19.C3.o1.tm	Method	TBLASTX:Maize
Start	7388	End	8043
GI	none	Score	47
Exons	7388..7435, 7475..7603, 7521..7622, 7740..7874, 7742..7873, 7954..8043, 7962..8042		

Seq. No.	16373	Seq. ID	OJ990907_02.9B19.C3

Gene No.	34500	Strand	+
Start	7389	End	8130
Name	OJ990907_02.9B19.C3.o4.gs	Method	GENSCAN
Start	7389	End	8121
GI	none	Score	1
Exons	7389..7601, 7680..7871, 7963..8121		

Seq. No.	16373	Seq. ID	OJ990907_02.9B19.C3
Gene No.	34500	Strand	+
Start	7389	End	8130
Name	OJ990907_02.9B19.C3.o2.tc	Method	TBLASTX:Cress
Start	7551	End	7874
GI	none	Score	79
Exons	7551..7604, 7553..7600, 7740..7874, 7742..7873		

Seq. No.	16374	Seq. ID	OJ990907_02.9B19.C4
Gene No.	34501	Strand	-
Start	1	End	1567
Name	OJ990907_02.9B19.C4.o1.np	Method	AAT/NAP
Start	1	End	1567
GI	5763821	Score	362
Exons	1..50, 173..238, 362..410, 832..882, 959..1011, 1134..1185, 1258..1346, 1441..1567		
GI Descrip.	(AJ238590) E2F protein [Triticum sp.]		

Seq. No.	16374	Seq. ID	OJ990907_02.9B19.C4
Gene No.	34501	Strand	-
Start	1	End	1567
Name	OJ990907_02.9B19.C4.o1.gs	Method	GENSCAN
Start	173	End	1385
GI	none	Score	.81
Exons	173..238, 362..410, 832..882, 959..1048, 1258..1385		

Seq. No.	16375	Seq. ID	OJ990907_02.9B19.C5
Gene No.	34502	Strand	+
Start	1	End	5625
Name	OJ990907_02.9B19.C5.o2.np	Method	AAT/NAP
Start	1	End	5625
GI	5734621	Score	169
Exons	1..41, 1975..2089, 2384..2452, 3104..3172, 3339..3676, 5574..5625		
GI Descrip.	(AP000391) ESTs AU067992(C11433),AU077424(C11433) correspond to a region of the predicted gene.; Similar to ABC transporter-7 (U43892) [Oryza sativa]		

Seq. No.	16375	Seq. ID	OJ990907_02.9B19.C5
Gene No.	34502	Strand	+
Start	1	End	5625
Name	OJ990907_02.9B19.C5.o2.gs	Method	GENSCAN
Start	2892	End	5173
GI	none	Score	.83
Exons	2892..3156, 3168..3439, 3496..3669, 4211..4284, 4688..4797, 4842..4862, 4941..5173		

Seq. No.	16375	Seq. ID	OJ990907_02.9B19.C5
Gene No.	34502	Strand	+
Start	1	End	5625

Name	OJ990907_02.9B19.C5.o1.gp	Method	AAT/GAP
Start	4370	End	4711
GI	uC-osf1M202051g01b1	Score	393
Exons	4370..4711		
GI Descrip.	'5734616/dbj\|AP000391.1\|AP000391 7.0e-77 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	16375	Seq. ID	OJ990907_02.9B19.C5
Gene No.	34503	Strand	-
Start	1	End	2128
Name	OJ990907_02.9B19.C5.o1.np	Method	AAT/NAP
Start	1	End	2125
GI	5763821	Score	316
Exons	1..120, 215..300, 463..516, 644..833, 1903..2125		
GI Descrip.	(AJ238590) E2F protein [Triticum sp.]		

Seq. No.	16375	Seq. ID	OJ990907_02.9B19.C5
Gene No.	34503	Strand	-
Start	1	End	2128
Name	OJ990907_02.9B19.C5.o1.gs	Method	GENSCAN
Start	636	End	2128
GI	none	Score	.9
Exons	636..833, 1940..2128		

Seq. No.	16376	Seq. ID	OJ990907_02.9B19.C6
Gene No.	34504	Strand	-
Start	780	End	980
Name	OJ990907_02.9B19.C6.o1.gs	Method	GENSCAN
Start	780	End	980
GI	none	Score	.7
Exons	780..849, 904..980		

Seq. No.	16377	Seq. ID	OJ990907_02.9B19.C7
Gene No.	34505	Strand	+
Start	1	End	3334
Name	OJ990907_02.9B19.C7.o1.np	Method	AAT/NAP
Start	1	End	3331
GI	3328221	Score	685
Exons	1..170, 656..738, 834..913, 1661..1749, 2714..2749, 2891..3004, 3218..3331		
GI Descrip.	(AF076920) thioredoxin peroxidase [Secale cereale]		

Seq. No.	16377	Seq. ID	OJ990907_02.9B19.C7
Gene No.	34505	Strand	+
Start	1	End	3334
Name	OJ990907_02.9B19.C7.o1.gs	Method	GENSCAN
Start	96	End	3334
GI	none	Score	.72
Exons	96..186, 787..913, 2891..3004, 3218..3334		

Seq. No.	16377	Seq. ID	OJ990907_02.9B19.C7
Gene No.	34506	Strand	-
Start	3267	End	3464
Name	OJ990907_02.9B19.C7.o1.tm	Method	TBLASTX:Maize
Start	69	End	3337
GI	none	Score	114
Exons	69..173, 71..172, 99..173, 656..685, 675..755, 677..739,		

814..912, 818..913, 824..925, 1660..1716, 1661..1717,
1715..1750, 1717..1755, 2879..3004, 2888..3004, 2889..3008,
2890..3018, 2890..3009, 3215..3337, 3216..3335, 3217..3336

Seq. No.	16377	Seq. ID	OJ990907_02.9B19.C7
Gene No.	34506	Strand	-
Start	3267	End	3464
Name	OJ990907_02.9B19.C7.o1.ts	Method	TBLASTX:Soybean
Start	90	End	3343
GI	none	Score	104
Exons	90..173, 98..172, 656..685, 675..755, 677..751, 811..912, 814..912, 818..913, 818..925, 1660..1719, 1661..1720, 1720..1755, 2887..2970, 2887..3000, 2888..3004, 3215..3343, 3216..3323, 3217..3324		

Seq. No.	16377	Seq. ID	OJ990907_02.9B19.C7
Gene No.	34506	Strand	-
Start	3267	End	3464
Name	OJ990907_02.9B19.C7.o1.tc	Method	TBLASTX:Cress
Start	2912	End	3379
GI	none	Score	128
Exons	2912..3004, 2914..3000, 3215..3379, 3217..3342		

Seq. No.	16377	Seq. ID	OJ990907_02.9B19.C7
Gene No.	34506	Strand	-
Start	3267	End	3464
Name	OJ990907_02.9B19.C7.o1.gp	Method	AAT/GAP
Start	3267	End	3464
GI	none	Score	346
Exons	3267..3464		

Seq. No.	16378	Seq. ID	OJ990907_02.9B19.C8
Gene No.	34507	Strand	+
Start	200	End	1551
Name	OJ990907_02.9B19.C8.o1.gs	Method	GENSCAN
Start	200	End	1551
GI	none	Score	.51
Exons	200..634, 682..1551		

Seq. No.	16378	Seq. ID	OJ990907_02.9B19.C8
Gene No.	34507	Strand	+
Start	200	End	1551
Name	OJ990907_02.9B19.C8.o1.np	Method	AAT/NAP
Start	224	End	1548
GI	4510376	Score	718
Exons	224..693, 769..1548		
GI Descrip.	(AC007017) unknown protein [Arabidopsis thaliana]		

Seq. No.	16378	Seq. ID	OJ990907_02.9B19.C8
Gene No.	34507	Strand	+
Start	200	End	1551
Name	OJ990907_02.9B19.C8.o1.tw	Method	TBLASTX:Wheat
Start	236	End	466
GI	none	Score	152
Exons	236..343, 251..346, 253..345, 350..466, 352..465		

Seq. No.	16378	Seq. ID	OJ990907_02.9B19.C8

Gene No.	34507	Strand	+
Start	200	End	1551
Name	OJ990907_02.9B19.C8.o1.ts	Method	TBLASTX:Soybean
Start	248	End	1545
GI	none	Score	180
Exons	248..382, 253..381, 406..465, 413..466, 784..864, 865..975, 1033..1137, 1204..1314, 1321..1434, 1347..1433, 1405..1545, 1471..1530		

Seq. No.	16379	Seq. ID	OJ990907_02.9B19.C10
Gene No.	34508	Strand	-
Start	506	End	3668
Name	OJ990907_02.9B19.C10.o1.gs	Method	GENSCAN
Start	506	End	3536
GI	none	Score	.81
Exons	506..1618, 1702..1945, 2389..3536		

Seq. No.	16379	Seq. ID	OJ990907_02.9B19.C10
Gene No.	34508	Strand	-
Start	506	End	3668
Name	OJ990907_02.9B19.C10.o1.np	Method	AAT/NAP
Start	512	End	3665
GI	4886278	Score	1196
Exons	512..676, 707..1615, 1690..1768, 2266..2916, 2944..3019, 3095..3665		
GI Descrip.	(AL050300) putative protein [Arabidopsis thaliana]		

Seq. No.	16379	Seq. ID	OJ990907_02.9B19.C10
Gene No.	34508	Strand	-
Start	506	End	3668
Name	OJ990907_02.9B19.C10.o2.tm	Method	TBLASTX:Maize
Start	704	End	1216
GI	none	Score	104
Exons	704..940, 723..911, 1059..1154, 1067..1189, 1175..1216		

Seq. No.	16379	Seq. ID	OJ990907_02.9B19.C10
Gene No.	34508	Strand	-
Start	506	End	3668
Name	OJ990907_02.9B19.C10.o2.ts	Method	TBLASTX:Soybean
Start	1067	End	1315
GI	none	Score	86
Exons	1067..1168, 1068..1163, 1181..1315, 1188..1259		

Seq. No.	16379	Seq. ID	OJ990907_02.9B19.C10
Gene No.	34508	Strand	-
Start	506	End	3668
Name	OJ990907_02.9B19.C10.o1.ts	Method	TBLASTX:Soybean
Start	2436	End	3668
GI	none	Score	125
Exons	2436..2540, 3168..3350, 3169..3351, 3394..3486, 3429..3485, 3486..3668		

Seq. No.	16379	Seq. ID	OJ990907_02.9B19.C10
Gene No.	34508	Strand	-
Start	506	End	3668
Name	OJ990907_02.9B19.C10.o1.tm	Method	TBLASTX:Maize
Start	3253	End	3665

GI	none	Score	150
Exons	3253..3354, 3267..3359, 3415..3546, 3429..3524, 3531..3665, 3532..3663		

Seq. No.	16379	Seq. ID	OJ990907_02.9B19.C10
Gene No.	34508	Strand	-
Start	506	End	3668
Name	OJ990907_02.9B19.C10.o1.tc	Method	TBLASTX:Cress
Start	3424	End	3668
GI	none	Score	66
Exons	3424..3486, 3429..3485, 3486..3668		

Seq. No.	16380	Seq. ID	OJ990907_02.9B19.C11
Gene No.	34509	Strand	+
Start	7335	End	7412
Name	OJ990907_02.9B19.C11.o2.np	Method	AAT/NAP
Start	7335	End	7412
GI	6630699	Score	74
Exons	7335..7412		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	16380	Seq. ID	OJ990907_02.9B19.C11
Gene No.	34510	Strand	+
Start	7548	End	10187
Name	OJ990907_02.9B19.C11.o3.np	Method	AAT/NAP
Start	7548	End	10187
GI	6539570	Score	159
Exons	7548..7741, 7898..7964, 9991..10080, 10151..10187		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	16380	Seq. ID	OJ990907_02.9B19.C11
Gene No.	34511	Strand	-
Start	632	End	5785
Name	OJ990907_02.9B19.C11.o1.gs	Method	GENSCAN
Start	632	End	5785
GI	none	Score	.66
Exons	632..1163, 1263..1612, 1682..1948, 2046..2527, 2612..2699, 3242..3274, 3811..4609, 4956..4974, 5053..5095, 5303..5402, 5652..5785		

Seq. No.	16380	Seq. ID	OJ990907_02.9B19.C11
Gene No.	34511	Strand	-
Start	632	End	5785
Name	OJ990907_02.9B19.C11.o1.np	Method	AAT/NAP
Start	635	End	5439
GI	5354158	Score	2226
Exons	635..1163, 1263..1612, 1682..1948, 2046..2527, 2612..2699, 3242..3274, 3811..4347, 5344..5439		
GI Descrip.	(AF149841) digalactosyldiacylglycerol synthase [Arabidopsis thaliana] gi\|5354160\|gb\|AAD42379.1\|AF149842_1 (AF149842) digalactosyldiacylglycerol synthase [Arabidopsis thaliana] gi\|6041825\|gb\|AAF02140.1\|AC009918_12 (AC009918) digalactosyldiacylglycerol synthase [Arabidopsis thaliana]		

Seq. No.	16380	Seq. ID	OJ990907_02.9B19.C11

Gene No.	34512	Strand	-
Start	7326	End	7759
Name	OJ990907_02.9B19.C11.o1.tm	Method	TBLASTX:Maize
Start	623	End	1717
GI	none	Score	182
Exons	623..832, 630..839, 875..1159, 875..1162, 876..1163, 883..1179, 1260..1610, 1260..1592, 1262..1621, 1670..1717		

Seq. No.	16380	Seq. ID	OJ990907_02.9B19.C11
Gene No.	34512	Strand	-
Start	7326	End	7759
Name	OJ990907_02.9B19.C11.o1.ts	Method	TBLASTX:Soybean
Start	632	End	2390
GI	none	Score	185
Exons	632..865, 633..812, 869..1147, 869..1165, 873..1166, 1242..1613, 1265..1621, 1272..1613, 1402..1614, 1670..1969, 1671..1949, 1775..1963, 1986..2390, 2046..2378, 2050..2382		

Seq. No.	16380	Seq. ID	OJ990907_02.9B19.C11
Gene No.	34512	Strand	-
Start	7326	End	7759
Name	OJ990907_02.9B19.C11.o1.tc	Method	TBLASTX:Cress
Start	1364	End	1814
GI	none	Score	147
Exons	1364..1621, 1365..1595, 1670..1813, 1680..1814		

Seq. No.	16380	Seq. ID	OJ990907_02.9B19.C11
Gene No.	34512	Strand	-
Start	7326	End	7759
Name	OJ990907_02.9B19.C11.o2.tm	Method	TBLASTX:Maize
Start	1724	End	2388
GI	none	Score	312
Exons	1724..1969, 1725..1949, 1775..1963, 1988..2326, 2043..2330, 2044..2328, 2248..2388		

Seq. No.	16380	Seq. ID	OJ990907_02.9B19.C11
Gene No.	34512	Strand	-
Start	7326	End	7759
Name	OJ990907_02.9B19.C11.o1.gp	Method	AAT/GAP
Start	7326	End	7759
GI	LIB3479-006-Q6-K1-B11	Score	610
Exons	7326..7759		
GI Descrip.	'5734616/dbj\|AP000391.1\|AP000391 1.0e-110 Oryza sativa genomic DNA, chromosome 6, clone:P0538C01'		

Seq. No.	16381	Seq. ID	OJ990907_02.9B19.C17
Gene No.	34513	Strand	+
Start	3096	End	3219
Name	OJ990907_02.9B19.C17.o1.gp	Method	AAT/GAP
Start	3096	End	3219
GI	none	Score	236
Exons	3096..3219		

Seq. No.	16382	Seq. ID	OJ990907_02.9B19.C18
Gene No.	34514	Strand	-
Start	95	End	422
Name	OJ990907_02.9B19.C18.o1.tm	Method	TBLASTX:Maize

Start	90	End	304
GI	none	Score	263
Exons	90..299, 92..304		

Seq. No.	16382	Seq. ID	OJ990907_02.9B19.C18
Gene No.	34514	Strand	-
Start	95	End	422
Name	OJ990907_02.9B19.C18.o1.gp	Method	AAT/GAP
Start	95	End	422
GI	28866_1.R1084	Score	629
Exons	95..422		
GI Descrip.	'4886280/emb\|CAB43430.1\| 1.0e-26 (AL050300) putative protein [Arabidopsis thaliana]'		

Seq. No.	16382	Seq. ID	OJ990907_02.9B19.C18
Gene No.	34514	Strand	-
Start	95	End	422
Name	OJ990907_02.9B19.C18.o1.gs	Method	GENSCAN
Start	95	End	304
GI	none	Score	.96
Exons	95..304		

Seq. No.	16383	Seq. ID	OJ990907_02.9B19.C19
Gene No.	34515	Strand	-
Start	1	End	6410
Name	OJ990907_02.9B19.C19.o1.np	Method	AAT/NAP
Start	1	End	4205
GI	6041820	Score	634
Exons	1..47, 885..1214, 1323..1471, 1591..1703, 1973..2245, 2614..2754, 3505..3685, 4116..4205		
GI Descrip.	(AC009918) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	16383	Seq. ID	OJ990907_02.9B19.C19
Gene No.	34515	Strand	-
Start	1	End	6410
Name	OJ990907_02.9B19.C19.o1.gs	Method	GENSCAN
Start	787	End	6410
GI	none	Score	.59
Exons	787..1227, 1321..1471, 1912..2245, 2614..2810, 3505..3881, 6297..6410		

Seq. No.	16383	Seq. ID	OJ990907_02.9B19.C19
Gene No.	34515	Strand	-
Start	1	End	6410
Name	OJ990907_02.9B19.C19.o1.tc	Method	TBLASTX:Cress
Start	1962	End	2270
GI	none	Score	97
Exons	1962..2060, 2121..2270, 2125..2247		

Seq. No.	16383	Seq. ID	OJ990907_02.9B19.C19
Gene No.	34515	Strand	-
Start	1	End	6410
Name	OJ990907_02.9B19.C19.o1.ts	Method	TBLASTX:Soybean
Start	1974	End	3667
GI	none	Score	130
Exons	1974..2237, 2032..2223, 3542..3667		

Seq. No.	16383	Seq. ID	OJ990907_02.9B19.C19
Gene No.	34515	Strand	-
Start	1	End	6410
Name	OJ990907_02.9B19.C19.o1.tm	Method	TBLASTX:Maize
Start	3509	End	3743
GI	none	Score	159
Exons	3509..3631, 3542..3685, 3561..3743		

Seq. No.	16383	Seq. ID	OJ990907_02.9B19.C19
Gene No.	34515	Strand	-
Start	1	End	6410
Name	OJ990907_02.9B19.C19.o1.gp	Method	AAT/GAP
Start	3513	End	3972
GI	2428208	Score	857
Exons	3513..3972		
GI Descrip.	6041820/gb\|AAF02135.1\|AC009918_7 1.0e-13 (AC009918) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	16384	Seq. ID	OJ990907_02.9B19.C21
Gene No.	34516	Strand	+
Start	202	End	2498
Name	OJ990907_02.9B19.C21.o1.gs	Method	GENSCAN
Start	202	End	2498
GI	none	Score	.74
Exons	202..350, 540..645, 1282..1353, 1979..2149, 2439..2498		

Seq. No.	16384	Seq. ID	OJ990907_02.9B19.C21
Gene No.	34517	Strand	-
Start	2879	End	2940
Name	OJ990907_02.9B19.C21.o2.gs	Method	GENSCAN
Start	2879	End	2940
GI	none	Score	.76
Exons	2879..2940		

Seq. No.	16385	Seq. ID	OJ990907_02.9B19.C22
Gene No.	34518	Strand	+
Start	2	End	96
Name	OJ990907_02.9B19.C22.o1.gs	Method	GENSCAN
Start	2	End	96
GI	none	Score	.98
Exons	2..96		

Seq. No.	16386	Seq. ID	OJ990907_02.9B19.C23
Gene No.	34519	Strand	-
Start	478	End	693
Name	OJ990907_02.9B19.C23.o1.gs	Method	GENSCAN
Start	478	End	693
GI	none	Score	.86
Exons	478..693		

Seq. No.	16387	Seq. ID	OJ990907_02.9B19.C25
Gene No.	34520	Strand	-
Start	412	End	560
Name	OJ990907_02.9B19.C25.o1.gp	Method	AAT/GAP
Start	412	End	560
GI	uC-osflcyp104c12a1	Score	198
Exons	412..560		

GI Descrip.	'5852170/emb\|AL117265.1\|OST17804 3.0e-29 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804'		
Seq. No.	16388	Seq. ID	OJ990907_02.9B19.C26
Gene No.	34521	Strand	+
Start	45	End	838
Name	OJ990907_02.9B19.C26.o1.gs	Method	GENSCAN
Start	45	End	838
GI	none	Score	.58
Exons	45..344, 797..838		
Seq. No.	16388	Seq. ID	OJ990907_02.9B19.C26
Gene No.	34522	Strand	+
Start	1991	End	8304
Name	OJ990907_02.9B19.C26.o2.gs	Method	GENSCAN
Start	1991	End	6925
GI	none	Score	.54
Exons	1991..2057, 2145..2229, 2338..2517, 2634..2726, 5225..5743, 5797..6925		
Seq. No.	16388	Seq. ID	OJ990907_02.9B19.C26
Gene No.	34522	Strand	+
Start	1991	End	8304
Name	OJ990907_02.9B19.C26.o1.np	Method	AAT/NAP
Start	5725	End	8304
GI	4263522	Score	717
Exons	5725..6905, 8262..8304		
GI Descrip.	(AC004044) hypothetical protein [Arabidopsis thaliana]		
Seq. No.	16388	Seq. ID	OJ990907_02.9B19.C26
Gene No.	34523	Strand	-
Start	2154	End	2862
Name	OJ990907_02.9B19.C26.o1.tm	Method	TBLASTX:Maize
Start	1970	End	2732
GI	none	Score	90
Exons	1970..2056, 2135..2230, 2146..2229, 2212..2235, 2335..2517, 2339..2518, 2632..2730, 2634..2729, 2634..2732, 2635..2730		
Seq. No.	16388	Seq. ID	OJ990907_02.9B19.C26
Gene No.	34523	Strand	-
Start	2154	End	2862
Name	OJ990907_02.9B19.C26.o1.gp	Method	AAT/GAP
Start	2154	End	2862
GI	none	Score	1363
Exons	2154..2862		
Seq. No.	16388	Seq. ID	OJ990907_02.9B19.C26
Gene No.	34523	Strand	-
Start	2154	End	2862
Name	OJ990907_02.9B19.C26.o1.ts	Method	TBLASTX:Soybean
Start	2165	End	2777
GI	none	Score	51
Exons	2165..2224, 2339..2518, 2350..2520, 2632..2721, 2634..2777, 2635..2721		
Seq. No.	16388	Seq. ID	OJ990907_02.9B19.C26
Gene No.	34523	Strand	-

Start	2154	End	2862
Name	OJ990907_02.9B19.C26.o1.tc	Method	TBLASTX:Cress
Start	2312	End	2729
GI	none	Score	270
Exons	2312..2374, 2339..2518, 2350..2520, 2634..2720, 2635..2721, 2637..2729		

Seq. No.	16388	Seq. ID	OJ990907_02.9B19.C26
Gene No.	34523	Strand	-
Start	2154	End	2862
Name	OJ990907_02.9B19.C26.o2.tw	Method	TBLASTX:Wheat
Start	2452	End	2730
GI	none	Score	103
Exons	2452..2517, 2453..2518, 2574..2729, 2634..2720, 2635..2730		

Seq. No.	16388	Seq. ID	OJ990907_02.9B19.C26
Gene No.	34524	Strand	
Start	5511	End	6916
Name	OJ990907_02.9B19.C26.o2.tc	Method	TBLASTX:Cress
Start	5511	End	6589
GI	none	Score	99
Exons	5511..5780, 5535..5786, 5795..5971, 5810..5977, 5816..6079, 5888..6259, 5905..6099, 5906..6070, 5946..5987, 5996..6166, 6026..6148, 6086..6259, 6158..6232, 6308..6463, 6476..6589		

Seq. No.	16388	Seq. ID	OJ990907_02.9B19.C26
Gene No.	34524	Strand	
Start	5511	End	6916
Name	OJ990907_02.9B19.C26.o1.tw	Method	TBLASTX:Wheat
Start	5547	End	6610
GI	none	Score	96
Exons	5547..5786, 5804..5893, 5996..6217, 6134..6262, 6308..6607, 6308..6463, 6322..6576, 6497..6610		

Seq. No.	16388	Seq. ID	OJ990907_02.9B19.C26
Gene No.	34524	Strand	
Start	5511	End	6916
Name	OJ990907_02.9B19.C26.o2.tm	Method	TBLASTX:Maize
Start	5556	End	6904
GI	none	Score	129
Exons	5556..5786, 5628..5795, 5801..5869, 5813..5971, 5888..5971, 5900..6016, 5902..6030, 5903..6067, 5993..6226, 5999..6166, 6161..6244, 6296..6517, 6307..6903, 6308..6508, 6308..6904, 6316..6474		

Seq. No.	16388	Seq. ID	OJ990907_02.9B19.C26
Gene No.	34524	Strand	
Start	5511	End	6916
Name	QJ990907_02.9B19.C26.o2.ts	Method	TBLASTX:Soybean
Start	6485	End	6904
GI	none	Score	343
Exons	6485..6904, 6515..6889, 6637..6903		

Seq. No.	16388	Seq. ID	OJ990907_02.9B19.C26
Gene No.	34524	Strand	
Start	5511	End	6916
Name	OJ990907_02.9B19.C26.o3.tc	Method	TBLASTX:Cress

Start	6590	End	6916
GI	none	Score	199
Exons	6590..6916, 6610..6915		

Seq. No.	16389	Seq. ID	OJ990907_02.9B19.C27
Gene No.	34525	Strand	+
Start	27	End	3760
Name	OJ990907_02.9B19.C27.o1.np	Method	AAT/NAP
Start	27	End	3739
GI	4218008	Score	98
Exons	27..94, 2496..2671, 3458..3739		
GI Descrip.	(AC006135) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	16389	Seq. ID	OJ990907_02.9B19.C27
Gene No.	34525	Strand	+
Start	27	End	3760
Name	OJ990907_02.9B19.C27.o1.gs	Method	GENSCAN
Start	2638	End	3760
GI	none	Score	.92
Exons	2638..3237, 3314..3760		

Seq. No.	16390	Seq. ID	OJ990917_02.9B15.C2
Gene No.	34526	Strand	+
Start	1	End	2963
Name	OJ990917_02.9B15.C2.o1.np	Method	AAT/NAP
Start	1	End	2963
GI	3785975	Score	510
Exons	1..84, 173..311, 348..512, 2394..2492, 2581..2649, 2729..2963		
GI Descrip.	(AC005560) unknown protein [Arabidopsis thaliana]		

Seq. No.	16390	Seq. ID	OJ990917_02.9B15.C2
Gene No.	34526	Strand	+
Start	1	End	2963
Name	OJ990917_02.9B15.C2.o1.gp	Method	AAT/GAP
Start	24	End	2819
GI	uC-osroM202001c04b1	Score	979
Exons	24..84, 173..288, 377..512, 2394..2492, 2581..2652, 2731..2819		
GI Descrip.	'3785975 1.0e-45 (AC005560) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	16390	Seq. ID	OJ990917_02.9B15.C2
Gene No.	34526	Strand	+
Start	1	End	2963
Name	OJ990917_02.9B15.C2.o1.gs	Method	GENSCAN
Start	173	End	2649
GI	none	Score	.48
Exons	173..288, 377..512, 1412..1476, 2354..2492, 2581..2649		

Seq. No.	16391	Seq. ID	OJ990917_02.9B15.C3
Gene No.	34527	Strand	+
Start	1	End	511
Name	OJ990917_02.9B15.C3.o1.np	Method	AAT/NAP
Start	1	End	511
GI	6466937	Score	353
Exons	1..511		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	16391	Seq. ID	OJ990917_02.9B15.C3
Gene No.	34527	Strand	+
Start	1	End	511
Name	OJ990917_02.9B15.C3.o1.tw	Method	TBLASTX:Wheat
Start	56	End	438
GI	none	Score	151
Exons	56..175, 57..182, 60..176, 328..438		

Seq. No.	16391	Seq. ID	OJ990917_02.9B15.C3
Gene No.	34527	Strand	+
Start	1	End	511
Name	OJ990917_02.9B15.C3.o1.tm	Method	TBLASTX:Maize
Start	107	End	482
GI	none	Score	102
Exons	107..160, 108..176, 169..468, 330..467, 333..482		

Seq. No.	16392	Seq. ID	OJ990917_02.9B15.C4
Gene No.	34528	Strand	+
Start	117	End	224
Name	OJ990917_02.9B15.C4.o1.gp	Method	AAT/GAP
Start	117	End	224
GI	uC-osflcyp088b12b1	Score	126
Exons	117..224		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	16392	Seq. ID	OJ990917_02.9B15.C4
Gene No.	34529	Strand	+
Start	887	End	1709
Name	OJ990917_02.9B15.C4.o1.gs	Method	GENSCAN
Start	887	End	1709
GI	none	Score	.8
Exons	887..989, 1133..1273, 1308..1709		

Seq. No.	16393	Seq. ID	OJ990917_02.9B15.C5
Gene No.	34530	Strand	+
Start	2026	End	2981
Name	OJ990917_02.9B15.C5.o2.gs	Method	GENSCAN
Start	2026	End	2981
GI	none	Score	.92
Exons	2026..2081, 2793..2981		

Seq. No.	16394	Seq. ID	OJ990917_02.9B15.C6
Gene No.	34531	Strand	+
Start	106	End	511
Name	OJ990917_02.9B15.C6.o1.gs	Method	GENSCAN
Start	106	End	511
GI	none	Score	.63
Exons	106..511		

Seq. No.	16395	Seq. ID	OJ990917_02.9B15.C7
Gene No.	34532	Strand	-
Start	1	End	1985
Name	OJ990917_02.9B15.C7.o1.np	Method	AAT/NAP
Start	1	End	1985
GI	5902444	Score	2888

Exons	1..1985		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		
Seq. No.	16395	Seq. ID	OJ990917_02.9B15.C7
Gene No.	34532	Strand	-
Start	1	End	1985
Name	OJ990917_02.9B15.C7.o1.gs	Method	GENSCAN
Start	260	End	1985
GI	none	Score	.99
Exons	260..1985		
Seq. No.	16395	Seq. ID	OJ990917_02.9B15.C7
Gene No.	34533	Strand	-
Start	3613	End	7338
Name	OJ990917_02.9B15.C7.o1.tw	Method	TBLASTX:Wheat
Start	282	End	684
GI	none	Score	114
Exons	282..683, 415..684		
Seq. No.	16395	Seq. ID	OJ990917_02.9B15.C7
Gene No.	34533	Strand	-
Start	3613	End	7338
Name	OJ990917_02.9B15.C7.o2.gs	Method	GENSCAN
Start	3613	End	7338
GI	none	Score	.94
Exons	3613..4111, 5089..5213, 7036..7338		
Seq. No.	16396	Seq. ID	OJ990917_02.9B15.C9
Gene No.	34534	Strand	+
Start	55	End	134
Name	OJ990917_02.9B15.C9.o1.gs	Method	GENSCAN
Start	55	End	134
GI	none	Score	.79
Exons	55..134		
Seq. No.	16397	Seq. ID	OJ990917_02.9B15.C11
Gene No.	34535	Strand	-
Start	58	End	222
Name	OJ990917_02.9B15.C11.o1.gs	Method	GENSCAN
Start	58	End	222
GI	none	Score	.42
Exons	58..222		
Seq. No.	16398	Seq. ID	OJ990917_02.9B15.C16
Gene No.	34536	Strand	-
Start	477	End	4422
Name	OJ990917_02.9B15.C16.o1.tm	Method	TBLASTX:Maize
Start	474	End	3713
GI	none	Score	86
Exons	474..608, 476..589, 1217..1384, 1228..1380, 3487..3540, 3491..3553, 3491..3550, 3514..3555, 3615..3707, 3618..3674, 3619..3675, 3678..3713, 3679..3711, 3686..3712		
Seq. No.	16398	Seq. ID	OJ990917_02.9B15.C16
Gene No.	34536	Strand	-
Start	477	End	4422
Name	OJ990917_02.9B15.C16.o1.gs	Method	GENSCAN

Start	477	End	3710
GI	none	Score	.82
Exons	477..587, 1223..1380, 1870..1996, 2043..2188, 3493..3535, 3619..3710		

Seq. No.	16398	Seq. ID	OJ990917_02.9B15.C16
Gene No.	34536	Strand	-
Start	477	End	4422
Name	OJ990917_02.9B15.C16.o1.np	Method	AAT/NAP
Start	480	End	4422
GI	3785975	Score	448
Exons	480..587, 1223..1380, 3493..3535, 3619..3749, 4257..4422		
GI Descrip.	(AC005560) unknown protein [Arabidopsis thaliana]		

Seq. No.	16399	Seq. ID	OJ990917_02.9B15.C19
Gene No.	34537	Strand	+
Start	224	End	240
Name	OJ990917_02.9B15.C19.o1.gs	Method	GENSCAN
Start	224	End	240
GI	none	Score	.7
Exons	224..240		

Seq. No.	16399	Seq. ID	OJ990917_02.9B15.C19
Gene No.	34538	Strand	-
Start	2907	End	5527
Name	OJ990917_02.9B15.C19.o2.gs	Method	GENSCAN
Start	2907	End	5482
GI	none	Score	.52
Exons	2907..3518, 3846..4133, 4147..4867, 4929..5067, 5176..5482		

Seq. No.	16399	Seq. ID	OJ990917_02.9B15.C19
Gene No.	34538	Strand	-
Start	2907	End	5527
Name	OJ990917_02.9B15.C19.o2.tm	Method	TBLASTX:Maize
Start	3829	End	4104
GI	none	Score	275
Exons	3829..3855, 3873..4103, 3880..4104		

Seq. No.	16399	Seq. ID	OJ990917_02.9B15.C19
Gene No.	34538	Strand	-
Start	2907	End	5527
Name	OJ990917_02.9B15.C19.o2.tw	Method	TBLASTX:Wheat
Start	3843	End	4061
GI	none	Score	126
Exons	3843..4061, 3844..4050		

Seq. No.	16399	Seq. ID	OJ990917_02.9B15.C19
Gene No.	34538	Strand	-
Start	2907	End	5527
Name	OJ990917_02.9B15.C19.o1.np	Method	AAT/NAP
Start	3855	End	5527
GI	4996361	Score	874
Exons	3855..4943, 5400..5527		
GI Descrip.	(AB021263) polyprotein [Arabidopsis thaliana]		

Seq. No.	16399	Seq. ID	OJ990917_02.9B15.C19
Gene No.	34538	Strand	-

Start	2907	End	5527
Name	OJ990917_02.9B15.C19.o1.tc	Method	TBLASTX:Cress
Start	3915	End	4112
GI	none	Score	62
Exons	3915..4112, 3922..4032		

Seq. No.	16399	Seq. ID	OJ990917_02.9B15.C19
Gene No.	34538	Strand	-
Start	2907	End	5527
Name	OJ990917_02.9B15.C19.o1.ts	Method	TBLASTX:Soybean
Start	3915	End	4500
GI	none	Score	58
Exons	3915..4145, 3972..4088, 4157..4297, 4165..4500, 4166..4309, 4421..4495		

Seq. No.	16399	Seq. ID	OJ990917_02.9B15.C19
Gene No.	34538	Strand	-
Start	2907	End	5527
Name	OJ990917_02.9B15.C19.o1.tm	Method	TBLASTX:Maize
Start	4207	End	4665
GI	none	Score	341
Exons	4207..4665, 4208..4654		

Seq. No.	16399	Seq. ID	OJ990917_02.9B15.C19
Gene No.	34538	Strand	-
Start	2907	End	5527
Name	OJ990917_02.9B15.C19.o1.tw	Method	TBLASTX:Wheat
Start	4263	End	4695
GI	none	Score	100
Exons	4263..4505, 4264..4521, 4265..4561, 4533..4562, 4534..4695, 4535..4690		

Seq. No.	16399	Seq. ID	OJ990917_02.9B15.C19
Gene No.	34538	Strand	-
Start	2907	End	5527
Name	OJ990917_02.9B15.C19.o3.tm	Method	TBLASTX:Maize
Start	4672	End	4935
GI	none	Score	149
Exons	4672..4935, 4676..4930, 4682..4768, 4828..4935		

Seq. No.	16400	Seq. ID	OJ990917_02.9B15.C20
Gene No.	34539	Strand	+
Start	624	End	7524
Name	OJ990917_02.9B15.C20.o1.np	Method	AAT/NAP
Start	624	End	6936
GI	4680179	Score	678
Exons	624..658, 1686..2787, 6905..6936		
GI Descrip.	(AF111709) polyprotein [Oryza sativa subsp. indica]		

Seq. No.	16400	Seq. ID	OJ990917_02.9B15.C20
Gene No.	34539	Strand	+
Start	624	End	7524
Name	OJ990917_02.9B15.C20.o3.gs	Method	GENSCAN
Start	5175	End	7524
GI	none	Score	.44
Exons	5175..5322, 6905..6998, 7091..7154, 7204..7433, 7473..7524		

Seq. No.	16400	Seq. ID	OJ990917_02.9B15.C20
Gene No.	34540	Strand	+
Start	11529	End	28011
Name	OJ990917_02.9B15.C20.o5.gs	Method	GENSCAN
Start	11529	End	13089
GI	none	Score	.65
Exons	11529..11597, 11631..12239, 12535..12664, 12974..13089		

Seq. No.	16400	Seq. ID	OJ990917_02.9B15.C20
Gene No.	34540	Strand	+
Start	11529	End	28011
Name	OJ990917_02.9B15.C20.o2.np	Method	AAT/NAP
Start	12200	End	28011
GI	6056391	Score	1940
Exons	12200..12294, 12542..13095, 16243..17028, 19658..19741, 21342..21527, 24185..25990, 27991..28011		
GI Descrip.	(AC009324) Similar to retrotransposon proteins [Arabidopsis thaliana]		

Seq. No.	16400	Seq. ID	OJ990917_02.9B15.C20
Gene No.	34540	Strand	+
Start	11529	End	28011
Name	OJ990917_02.9B15.C20.o7.gs	Method	GENSCAN
Start	19204	End	21258
GI	none	Score	.74
Exons	19204..19285, 19352..19447, 20839..21011, 21022..21258		

Seq. No.	16400	Seq. ID	OJ990917_02.9B15.C20
Gene No.	34540	Strand	+
Start	11529	End	28011
Name	OJ990917_02.9B15.C20.o2.gp	Method	AAT/GAP
Start	23512	End	23617
GI	uC-osflcyp088b12b1	Score	136
Exons	23512..23617		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	16400	Seq. ID	OJ990917_02.9B15.C20
Gene No.	34540	Strand	+
Start	11529	End	28011
Name	OJ990917_02.9B15.C20.o8.gs	Method	GENSCAN
Start	23792	End	25312
GI	none	Score	.82
Exons	23792..24111, 24117..24275, 24277..25312		

Seq. No.	16400	Seq. ID	OJ990917_02.9B15.C20
Gene No.	34541	Strand	+
Start	30635	End	32340
Name	OJ990917_02.9B15.C20.o3.np	Method	AAT/NAP
Start	30635	End	32340
GI	5257259	Score	202
Exons	30635..30787, 32263..32340		
GI Descrip.	(AP000364) hypothetical protein [Oryza sativa]		

Seq. No.	16400	Seq. ID	OJ990917_02.9B15.C20
Gene No.	34542	Strand	-
Start	3826	End	4152

Name	OJ990917_02.9B15.C20.o2.gs	Method	GENSCAN
Start	3826	End	4152
GI	none	Score	.99
Exons	3826..4152		

Seq. No.	16400	Seq. ID	OJ990917_02.9B15.C20
Gene No.	34543	Strand	-
Start	9552	End	10042
Name	OJ990917_02.9B15.C20.o4.gs	Method	GENSCAN
Start	9552	End	10042
GI	none	Score	.98
Exons	9552..9679, 9952..10042		

Seq. No.	16400	Seq. ID	OJ990917_02.9B15.C20
Gene No.	34544	Strand	-
Start	13932	End	18682
Name	OJ990917_02.9B15.C20.o3.tw	Method	TBLASTX:Wheat
Start	2092	End	2427
GI	none	Score	278
Exons	2092..2427, 2113..2277, 2115..2297, 2314..2382		

Seq. No.	16400	Seq. ID	OJ990917_02.9B15.C20
Gene No.	34544	Strand	-
Start	13932	End	18682
Name	OJ990917_02.9B15.C20.o7.tm	Method	TBLASTX:Maize
Start	2092	End	2391
GI	none	Score	231
Exons	2092..2391, 2115..2276		

Seq. No.	16400	Seq. ID	OJ990917_02.9B15.C20
Gene No.	34544	Strand	-
Start	13932	End	18682
Name	OJ990917_02.9B15.C20.o8.tm	Method	TBLASTX:Maize
Start	12610	End	12960
GI	none	Score	121
Exons	12610..12777, 12612..12755, 12787..12960, 12795..12959		

Seq. No.	16400	Seq. ID	OJ990917_02.9B15.C20
Gene No.	34544	Strand	-
Start	13932	End	18682
Name	OJ990917_02.9B15.C20.o6.tw	Method	TBLASTX:Wheat
Start	12711	End	13017
GI	none	Score	183
Exons	12711..12758, 12718..13017, 12798..12962		

Seq. No.	16400	Seq. ID	OJ990917_02.9B15.C20
Gene No.	34544	Strand	-
Start	13932	End	18682
Name	OJ990917_02.9B15.C20.o6.gs	Method	GENSCAN
Start	13932	End	18682
GI	none	Score	.42
Exons	13932..14400, 14522..14618, 15310..15355, 15963..16052, 16982..17082, 17493..17714, 17950..18682		

Seq. No.	16400	Seq. ID	OJ990917_02.9B15.C20
Gene No.	34544	Strand	-
Start	13932	End	18682

Name	OJ990917_02.9B15.C20.o6.tm	Method	TBLASTX:Maize
Start	16273	End	16556
GI	none	Score	187
Exons	16273..16443, 16275..16439, 16449..16556, 16456..16554		

Seq. No.	16400	Seq. ID	OJ990917_02.9B15.C20
Gene No.	34544	Strand	-
Start	13932	End	18682
Name	OJ990917_02.9B15.C20.o2.tm	Method	TBLASTX:Maize
Start	16557	End	17015
GI	none	Score	134
Exons	16557..16664, 16561..16662, 16568..16666, 16639..16962, 16663..16881, 16665..16961, 16943..17014, 16944..17015		

Seq. No.	16400	Seq. ID	OJ990917_02.9B15.C20
Gene No.	34544	Strand	-
Start	13932	End	18682
Name	OJ990917_02.9B15.C20.o3.ts	Method	TBLASTX:Soybean
Start	16567	End	16971
GI	none	Score	215
Exons	16567..16971		

Seq. No.	16400	Seq. ID	OJ990917_02.9B15.C20
Gene No.	34544	Strand	-
Start	13932	End	18682
Name	OJ990917_02.9B15.C20.o1.tc	Method	TBLASTX:Cress
Start	16597	End	17024
GI	none	Score	219
Exons	16597..16962, 16956..17024		

Seq. No.	16400	Seq. ID	OJ990917_02.9B15.C20
Gene No.	34544	Strand	-
Start	13932	End	18682
Name	OJ990917_02.9B15.C20.o4.tw	Method	TBLASTX:Wheat
Start	16687	End	17024
GI	none	Score	247
Exons	16687..16962, 16740..16940, 16908..17024		

Seq. No.	16400	Seq. ID	OJ990917_02.9B15.C20
Gene No.	34545	Strand	
Start	24422	End	25123
Name	OJ990917_02.9B15.C20.o1.ts	Method	TBLASTX:Soybean
Start	24422	End	24919
GI	5509260	Score	391
Exons	24422..24919, 24745..24918		
GI Descrip.	-		

Seq. No.	16400	Seq. ID	OJ990917_02.9B15.C20
Gene No.	34545	Strand	
Start	24422	End	25123
Name	OJ990917_02.9B15.C20.o2.tw	Method	TBLASTX:Wheat
Start	24440	End	24895
GI	none	Score	68
Exons	24440..24532, 24440..24532, 24563..24895, 24566..24676, 24745..24894		

Seq. No.	16400	Seq. ID	OJ990917_02.9B15.C20

Gene No.	34545	Strand	
Start	24422	End	25123
Name	OJ990917_02.9B15.C20.o5.tm	Method	TBLASTX:Maize
Start	24466	End	24718
GI	none	Score	291
Exons	24466..24717, 24467..24718		

Seq. No.	16400	Seq. ID	OJ990917_02.9B15.C20
Gene No.	34545	Strand	
Start	24422	End	25123
Name	OJ990917_02.9B15.C20.o2.tc	Method	TBLASTX:Cress
Start	24553	End	24805
GI	none	Score	240
Exons	24553..24714, 24554..24805		

Seq. No.	16400	Seq. ID	OJ990917_02.9B15.C20
Gene No.	34545	Strand	
Start	24422	End	25123
Name	OJ990917_02.9B15.C20.o3.tm	Method	TBLASTX:Maize
Start	24718	End	25123
GI	none	Score	478
Exons	24718..25119, 24719..25123, 24719..25120		

Seq. No.	16400	Seq. ID	OJ990917_02.9B15.C20
Gene No.	34546	Strand	
Start	25100	End	25993
Name	OJ990917_02.9B15.C20.o1.tw	Method	TBLASTX:Wheat
Start	25100	End	25610
GI	none	Score	156
Exons	25100..25261, 25105..25260, 25164..25262, 25234..25503, 25274..25504, 25283..25504, 25489..25557, 25490..25558, 25566..25610		

Seq. No.	16400	Seq. ID	OJ990917_02.9B15.C20
Gene No.	34546	Strand	
Start	25100	End	25993
Name	OJ990917_02.9B15.C20.o1.tm	Method	TBLASTX:Maize
Start	25130	End	25617
GI	none	Score	423
Exons	25130..25504, 25141..25503, 25142..25504, 25514..25615, 25519..25614, 25522..25617		

Seq. No.	16400	Seq. ID	OJ990917_02.9B15.C20
Gene No.	34546	Strand	
Start	25100	End	25993
Name	OJ990917_02.9B15.C20.o2.ts	Method	TBLASTX:Soybean
Start	25295	End	25993
GI	none	Score	140
Exons	25295..25522, 25505..25993, 25513..25668, 25748..25840		

Seq. No.	16400	Seq. ID	OJ990917_02.9B15.C20
Gene No.	34546	Strand	
Start	25100	End	25993
Name	OJ990917_02.9B15.C20.o4.tm	Method	TBLASTX:Maize
Start	25621	End	25963
GI	none	Score	370
Exons	25621..25674, 25625..25924, 25632..25847, 25717..25920,		

25925..25960, 25925..25963

Seq. No.	16400	Seq. ID	OJ990917_02.9B15.C20
Gene No.	34546	Strand	
Start	25100	End	25993
Name	OJ990917_02.9B15.C20.o5.tw	Method	TBLASTX:Wheat
Start	25772	End	25969
GI	none	Score	189
Exons	25772..25960, 25783..25959, 25805..25969		

Seq. No.	16401	Seq. ID	OJ990917_02.9B15.C21
Gene No.	34547	Strand	+
Start	26	End	3842
Name	OJ990917_02.9B15.C21.o1.gs	Method	GENSCAN
Start	26	End	3253
GI	none	Score	.74
Exons	26..45, 1579..1677, 1965..2111, 2423..2511, 3132..3253		

Seq. No.	16401	Seq. ID	OJ990917_02.9B15.C21
Gene No.	34547	Strand	+
Start	26	End	3842
Name	OJ990917_02.9B15.C21.o3.np	Method	AAT/NAP
Start	896	End	2240
GI	6630699	Score	92
Exons	896..918, 2163..2240		
GI Descrip.	(AP000969) hypothetical protein [Oryza sativa] gi\|6721536\|dbj\|BAA89566.1\| (AP001073) hypothetical protein [Oryza sativa]		

Seq. No.	16401	Seq. ID	OJ990917_02.9B15.C21
Gene No.	34547	Strand	+
Start	26	End	3842
Name	OJ990917_02.9B15.C21.o4.np	Method	AAT/NAP
Start	2368	End	3842
GI	6539570	Score	224
Exons	2368..2567, 2727..2804, 3690..3842		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	16401	Seq. ID	OJ990917_02.9B15.C21
Gene No.	34548	Strand	-
Start	1272	End	3842
Name	OJ990917_02.9B15.C21.o1.np	Method	AAT/NAP
Start	1272	End	3842
GI	6069646	Score	457
Exons	1272..2119, 3055..3157, 3212..3355, 3816..3842		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	16401	Seq. ID	OJ990917_02.9B15.C21
Gene No.	34548	Strand	-
Start	1272	End	3842
Name	OJ990917_02.9B15.C21.o1.tm	Method	TBLASTX:Maize
Start	1305	End	1856
GI	none	Score	286

Exons	1305..1856		
Seq. No.	16401	Seq. ID	OJ990917_02.9B15.C21
Gene No.	34548	Strand	-
Start	1272	End	3842
Name	OJ990917_02.9B15.C21.o5.np	Method	AAT/NAP
Start	2909	End	3842
GI	3738337	Score	147
Exons	2909..3355, 3823..3842		
GI Descrip.	(AC005170) putative non-LTR retroelement reverse transcriptase [Arabidopsis thaliana]		
Seq. No.	16401	Seq. ID	OJ990917_02.9B15.C21
Gene No.	34548	Strand	-
Start	1272	End	3842
Name	OJ990917_02.9B15.C21.o2.tm	Method	TBLASTX:Maize
Start	2924	End	3196
GI	none	Score	135
Exons	2924..3196, 2940..3185		
Seq. No.	16402	Seq. ID	OJ990917_02.9B15.C22
Gene No.	34549	Strand	+
Start	348	End	8878
Name	OJ990917_02.9B15.C22.o1.gs	Method	GENSCAN
Start	348	End	8878
GI	none	Score	.55
Exons	348..544, 658..784, 1675..1802, 1887..1956, 2049..2151, 3445..3562, 4148..4377, 4443..7328, 7350..7599, 7635..8351, 8368..8878		
Seq. No.	16402	Seq. ID	OJ990917_02.9B15.C22
Gene No.	34549	Strand	+
Start	348	End	8878
Name	OJ990917_02.9B15.C22.o1.gp	Method	AAT/GAP
Start	1476	End	1968
GI	LIB3474-009-P1-K1-B10	Score	755
Exons	1476..1802, 1887..1968		
GI Descrip.	'4521193/dbj\|AB013450.1\|AB013450 1.0e-99 Oryza sativa DNA, similar sequence to Pib gene'		
Seq. No.	16402	Seq. ID	OJ990917_02.9B15.C22
Gene No.	34549	Strand	+
Start	348	End	8878
Name	OJ990917_02.9B15.C22.o1.np	Method	AAT/NAP
Start	4168	End	8875
GI	5295971	Score	7460
Exons	4168..8875		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		
Seq. No.	16402	Seq. ID	OJ990917_02.9B15.C22
Gene No.	34549	Strand	+
Start	348	End	8878
Name	OJ990917_02.9B15.C22.o3.np	Method	AAT/NAP
Start	6410	End	8857
GI	3319362	Score	914

Exons	6410..7023, 7264..8857		
GI Descrip.	(AF077408) contains similarity to reverse transcriptase (Pfam: rvt.hmm, score 19.29) [Arabidopsis thaliana]		

Seq. No.	16402	Seq. ID	OJ990917_02.9B15.C22
Gene No.	34550	Strand	+
Start	9455	End	10947
Name	OJ990917_02.9B15.C22.o8.tm	Method	TBLASTX:Maize
Start	518	End	1761
GI	none	Score	40
Exons	518..550, 519..542, 643..786, 655..789, 656..802, 1652..1744, 1674..1760, 1675..1761		

Seq. No.	16402	Seq. ID	OJ990917_02.9B15.C22
Gene No.	34550	Strand	+
Start	9455	End	10947
Name	OJ990917_02.9B15.C22.o2.tc	Method	TBLASTX:Cress
Start	622	End	2074
GI	none	Score	78
Exons	622..801, 655..789, 656..808, 1652..1789, 1674..1799, 1675..1797, 1884..1952, 1885..1956, 2045..2074, 2046..2069		

Seq. No.	16402	Seq. ID	OJ990917_02.9B15.C22
Gene No.	34550	Strand	+
Start	9455	End	10947
Name	OJ990917_02.9B15.C22.o5.ts	Method	TBLASTX:Soybean
Start	655	End	784
GI	none	Score	206
Exons	655..783, 656..784		

Seq. No.	16402	Seq. ID	OJ990917_02.9B15.C22
Gene No.	34550	Strand	+
Start	9455	End	10947
Name	OJ990917_02.9B15.C22.o4.ts	Method	TBLASTX:Soybean
Start	1731	End	2153
GI	none	Score	50
Exons	1731..1763, 1732..1764, 1753..1797, 1884..1952, 1885..1956, 2046..2153, 2048..2122		

Seq. No.	16402	Seq. ID	OJ990917_02.9B15.C22
Gene No.	34550	Strand	+
Start	9455	End	10947
Name	OJ990917_02.9B15.C22.o9.tm	Method	TBLASTX:Maize
Start	2040	End	3529
GI	none	Score	87
Exons	2040..2159, 2042..2125, 2046..2156, 2083..2157, 3442..3522, 3444..3527, 3446..3529, 3447..3527		

Seq. No.	16402	Seq. ID	OJ990917_02.9B15.C22
Gene No.	34550	Strand	+
Start	9455	End	10947
Name	OJ990917_02.9B15.C22.o6.tm	Method	TBLASTX:Maize
Start	4525	End	10099
GI	none	Score	51
Exons	4525..4563, 4526..4564, 4534..4749, 4610..4825, 4619..4825, 9806..9871, 9836..9877, 9839..9877, 9847..10098, 9898..10026, 9927..10031, 9932..10099		

Seq. No.	16402	Seq. ID	OJ990917_02.9B15.C22
Gene No.	34550	Strand	+
Start	9455	End	10947
Name	OJ990917_02.9B15.C22.o1.tm	Method	TBLASTX:Maize
Start	5060	End	5719
GI	none	Score	402
Exons	5060..5335, 5075..5290, 5077..5334, 5267..5338, 5316..5345, 5355..5546, 5414..5500, 5431..5550, 5440..5547, 5490..5705, 5499..5705, 5500..5718, 5501..5719		

Seq. No.	16402	Seq. ID	OJ990917_02.9B15.C22
Gene No.	34550	Strand	+
Start	9455	End	10947
Name	OJ990917_02.9B15.C22.o1.tw	Method	TBLASTX:Wheat
Start	5644	End	6097
GI	none	Score	349
Exons	5644..5949, 5645..6010, 5687..6037, 6017..6097, 6022..6096		

Seq. No.	16402	Seq. ID	OJ990917_02.9B15.C22
Gene No.	34550	Strand	+
Start	9455	End	10947
Name	OJ990917_02.9B15.C22.o7.tm	Method	TBLASTX:Maize
Start	5734	End	5974
GI	none	Score	311
Exons	5734..5973, 5735..5974		

Seq. No.	16402	Seq. ID	OJ990917_02.9B15.C22
Gene No.	34550	Strand	+
Start	9455	End	10947
Name	OJ990917_02.9B15.C22.o6.ts	Method	TBLASTX:Soybean
Start	6035	End	6310
GI	none	Score	197
Exons	6035..6310, 6131..6211		

Seq. No.	16402	Seq. ID	OJ990917_02.9B15.C22
Gene No.	34550	Strand	+
Start	9455	End	10947
Name	OJ990917_02.9B15.C22.o3.tw	Method	TBLASTX:Wheat
Start	6170	End	6718
GI	none	Score	112
Exons	6170..6310, 6368..6520, 6497..6631, 6638..6718		

Seq. No.	16402	Seq. ID	OJ990917_02.9B15.C22
Gene No.	34550	Strand	+
Start	9455	End	10947
Name	OJ990917_02.9B15.C22.o3.tm	Method	TBLASTX:Maize
Start	6373	End	6796
GI	none	Score	191
Exons	6373..6504, 6377..6520, 6481..6795, 6482..6796, 6494..6796		

Seq. No.	16402	Seq. ID	OJ990917_02.9B15.C22
Gene No.	34550	Strand	+
Start	9455	End	10947
Name	OJ990917_02.9B15.C22.o2.ts	Method	TBLASTX:Soybean
Start	6404	End	6880
GI	none	Score	122

Exons	6404..6520, 6409..6495, 6497..6712, 6511..6696, 6734..6880		
Seq. No.	16402	Seq. ID	OJ990917_02.9B15.C22
Gene No.	34550	Strand	+
Start	9455	End	10947
Name	OJ990917_02.9B15.C22.o3.tc	Method	TBLASTX:Cress
Start	6482	End	6856
GI	none	Score	156
Exons	6482..6709, 6556..6702, 6734..6856		
Seq. No.	16402	Seq. ID	OJ990917_02.9B15.C22
Gene No.	34550	Strand	+
Start	9455	End	10947
Name	OJ990917_02.9B15.C22.o1.ts	Method	TBLASTX:Soybean
Start	7331	End	7824
GI	5509260	Score	242
Exons	7331..7615, 7378..7587, 7642..7824, 7642..7803, 7647..7805		
GI Descrip.	-		
Seq. No.	16402	Seq. ID	OJ990917_02.9B15.C22
Gene No.	34550	Strand	+
Start	9455	End	10947
Name	OJ990917_02.9B15.C22.o5.tm	Method	TBLASTX:Maize
Start	7361	End	7674
GI	none	Score	308
Exons	7361..7573, 7370..7633, 7372..7587, 7641..7673, 7642..7674		
Seq. No.	16402	Seq. ID	OJ990917_02.9B15.C22
Gene No.	34550	Strand	+
Start	9455	End	10947
Name	OJ990917_02.9B15.C22.o4.tc	Method	TBLASTX:Cress
Start	7453	End	7713
GI	none	Score	152
Exons	7453..7584, 7454..7627, 7642..7713		
Seq. No.	16402	Seq. ID	OJ990917_02.9B15.C22
Gene No.	34550	Strand	+
Start	9455	End	10947
Name	OJ990917_02.9B15.C22.o2.tw	Method	TBLASTX:Wheat
Start	7498	End	8049
GI	none	Score	120
Exons	7498..7587, 7499..7627, 7642..7839, 7648..7815, 7650..7835, 7825..8049		
Seq. No.	16402	Seq. ID	OJ990917_02.9B15.C22
Gene No.	34550	Strand	+
Start	9455	End	10947
Name	OJ990917_02.9B15.C22.o2.tm	Method	TBLASTX:Maize
Start	7876	End	8265
GI	none	Score	541
Exons	7876..8235, 7876..8232, 8111..8233, 8227..8265, 8230..8265		
Seq. No.	16402	Seq. ID	OJ990917_02.9B15.C22
Gene No.	34550	Strand	+
Start	9455	End	10947
Name	OJ990917_02.9B15.C22.o1.tc	Method	TBLASTX:Cress
Start	8182	End	10294

GI	none	Score	61
Exons	8182..8232, 8242..8352, 8243..8467, 8374..8466, 8476..8553, 8477..8557, 8624..8842, 8632..8808, 10076..10294, 10101..10289		

Seq. No.	16402	Seq. ID	OJ990917_02.9B15.C22
Gene No.	34550	Strand	+
Start	9455	End	10947
Name	OJ990917_02.9B15.C22.o3.ts	Method	TBLASTX:Soybean
Start	8205	End	10298
GI	none	Score	34
Exons	8205..8234, 8231..8362, 8374..8535, 8375..8563, 8618..8851, 8632..8718, 10101..10298		

Seq. No.	16402	Seq. ID	OJ990917_02.9B15.C22
Gene No.	34550	Strand	+
Start	9455	End	10947
Name	OJ990917_02.9B15.C22.o4.tw	Method	TBLASTX:Wheat
Start	8396	End	10259
GI	none	Score	114
Exons	8396..8563, 8476..8553, 8609..8812, 8618..8800, 10089..10247, 10101..10259		

Seq. No.	16402	Seq. ID	OJ990917_02.9B15.C22
Gene No.	34550	Strand	+
Start	9455	End	10947
Name	OJ990917_02.9B15.C22.o4.tm	Method	TBLASTX:Maize
Start	8452	End	10288
GI	none	Score	491
Exons	8452..8559, 8453..8839, 8455..8841, 8484..8693, 8534..8839, 10101..10286, 10103..10288, 10103..10288		

Seq. No.	16402	Seq. ID	OJ990917_02.9B15.C22
Gene No.	34550	Strand	+
Start	9455	End	10947
Name	OJ990917_02.9B15.C22.o2.np	Method	AAT/NAP
Start	9455	End	10947
GI	5295971	Score	982
Exons	9455..10110, 10875..10947		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	16403	Seq. ID	OJ990917_02.9B15.C23
Gene No.	34551	Strand	+
Start	941	End	1743
Name	OJ990917_02.9B15.C23.o1.tm	Method	TBLASTX:Maize
Start	902	End	1743
GI	none	Score	94
Exons	902..1006, 928..1002, 929..1003, 1069..1164, 1080..1163, 1082..1192, 1625..1729, 1638..1733, 1650..1733, 1651..1743		

Seq. No.	16403	Seq. ID	OJ990917_02.9B15.C23
Gene No.	34551	Strand	+
Start	941	End	1743
Name	OJ990917_02.9B15.C23.o1.gs	Method	GENSCAN
Start	941	End	1733
GI	none	Score	.72

Exons	941..1003, 1082..1165, 1653..1733		
Seq. No.	16404	Seq. ID	OJ990917_02.9B15.C25
Gene No.	34552	Strand	+
Start	76	End	566
Name	OJ990917_02.9B15.C25.o1.gs	Method	GENSCAN
Start	76	End	566
GI	none	Score	.52
Exons	76..126, 351..566		
Seq. No.	16405	Seq. ID	OJ990917_02.9B15.C28
Gene No.	34553	Strand	-
Start	1	End	533
Name	OJ990917_02.9B15.C28.o1.np	Method	AAT/NAP
Start	1	End	448
GI	629669	Score	145
Exons	1..448		
GI Descrip.	hypothetical protein - tomato		
Seq. No.	16405	Seq. ID	OJ990917_02.9B15.C28
Gene No.	34553	Strand	-
Start	1	End	533
Name	OJ990917_02.9B15.C28.o1.tm	Method	TBLASTX:Maize
Start	2	End	451
GI	none	Score	65
Exons	2..145, 42..173, 152..226, 315..446, 317..445, 353..451		
Seq. No.	16405	Seq. ID	OJ990917_02.9B15.C28
Gene No.	34553	Strand	-
Start	1	End	533
Name	OJ990917_02.9B15.C28.o1.gs	Method	GENSCAN
Start	45	End	484
GI	none	Score	.66
Exons	45..484		
Seq. No.	16405	Seq. ID	OJ990917_02.9B15.C28
Gene No.	34553	Strand	-
Start	1	End	533
Name	OJ990917_02.9B15.C28.o1.tw	Method	TBLASTX:Wheat
Start	72	End	514
GI	none	Score	42
Exons	72..125, 131..205, 302..514, 303..446		
Seq. No.	16405	Seq. ID	OJ990917_02.9B15.C28
Gene No.	34553	Strand	-
Start	1	End	533
Name	OJ990917_02.9B15.C28.o1.gp	Method	AAT/GAP
Start	111	End	533
GI	uC-osroM202010d10b1	Score	769
Exons	111..533		
GI Descrip.	'629669/pir\|\|S39507 3.0e-09 hypothetical protein - tomato'		
Seq. No.	16406	Seq. ID	OJ990917_02.9B15.C29
Gene No.	34554	Strand	-
Start	1	End	194
Name	OJ990917_02.9B15.C29.o1.np	Method	AAT/NAP
Start	1	End	194

GI	6006874	Score	108
Exons	1..194		
GI Descrip.	(AC008153) putative UDP-glucuronosyltransferase, 5' partial [Arabidopsis thaliana]		

Seq. No.	16407	Seq. ID	OJ990917_02.9B15.C30
Gene No.	34555	Strand	+
Start	1	End	632
Name	OJ990917_02.9B15.C30.o1.np	Method	AAT/NAP
Start	1	End	632
GI	5852180	Score	53
Exons	1..50, 103..173, 599..632		
GI Descrip.	(AL117265) zhb00010.1 [Oryza sativa]		

Seq. No.	16407	Seq. ID	OJ990917_02.9B15.C30
Gene No.	34555	Strand	+
Start	1	End	632
Name	OJ990917_02.9B15.C30.o2.np	Method	AAT/NAP
Start	1	End	470
GI	4680186	Score	325
Exons	1..62, 270..470		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	16407	Seq. ID	OJ990917_02.9B15.C30
Gene No.	34555	Strand	+
Start	1	End	632
Name	OJ990917_02.9B15.C30.o1.gs	Method	GENSCAN
Start	120	End	173
GI	none	Score	.69
Exons	120..173		

Seq. No.	16407	Seq. ID	OJ990917_02.9B15.C30
Gene No.	34556	Strand	-
Start	22	End	403
Name	OJ990917_02.9B15.C30.o1.gp	Method	AAT/GAP
Start	22	End	403
GI	uC-osflcyp033a04b1	Score	655
Exons	22..403		
GI Descrip.	'6016845/dbj\|AP000570.1\|AP000570 3.0e-59 Oryza sativa genomic DNA, chromosome 1, clone:P0711E10'		

Seq. No.	16408	Seq. ID	OJ990917_02.9B15.C31
Gene No.	34557	Strand	+
Start	20	End	214
Name	OJ990917_02.9B15.C31.o1.gs	Method	GENSCAN
Start	20	End	214
GI	none	Score	.65
Exons	20..62, 103..214		

Seq. No.	16409	Seq. ID	OJ990917_02.9B15.C32
Gene No.	34558	Strand	-
Start	104	End	730
Name	OJ990917_02.9B15.C32.o1.gs	Method	GENSCAN
Start	104	End	730
GI	none	Score	.67
Exons	104..730		

Seq. No.	16410	Seq. ID	OJ990917_02.9B15.C33
Gene No.	34559	Strand	-
Start	26	End	147
Name	OJ990917_02.9B15.C33.o1.gs	Method	GENSCAN
Start	26	End	147
GI	none	Score	.5
Exons	26..147		

Seq. No.	16411	Seq. ID	OJ990917_02.9B15.C34
Gene No.	34560	Strand	+
Start	4373	End	4827
Name	OJ990917_02.9B15.C34.o1.gp	Method	AAT/GAP
Start	4373	End	4827
GI	36280_1.R1084	Score	826
Exons	4373..4827		
GI Descrip.	'5295971/dbj\|BAA81872.1\| 1.0e-81 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	16411	Seq. ID	OJ990917_02.9B15.C34
Gene No.	34561	Strand	+
Start	6500	End	6935
Name	OJ990917_02.9B15.C34.o2.gp	Method	AAT/GAP
Start	6500	End	6935
GI	uC-osflM2020118f01a1	Score	781
Exons	6500..6935		
GI Descrip.	'5295971/dbj\|BAA81872.1\| 4.0e-64 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	16411	Seq. ID	OJ990917_02.9B15.C34
Gene No.	34562	Strand	-
Start	79	End	2846
Name	OJ990917_02.9B15.C34.o1.gs	Method	GENSCAN
Start	79	End	2846
GI	none	Score	.61
Exons	79..497, 619..831, 977..1139, 1214..1540, 1616..1858, 1918..2031, 2256..2636, 2638..2799, 2844..2846		

Seq. No.	16411	Seq. ID	OJ990917_02.9B15.C34
Gene No.	34563	Strand	-
Start	3996	End	11126
Name	OJ990917_02.9B15.C34.o1.tw	Method	TBLASTX:Wheat
Start	1	End	5382
GI	none	Score	67
Exons	1..75, 77..190, 82..189, 4827..5051, 5037..5381, 5061..5228, 5251..5382		

Seq. No.	16411	Seq. ID	OJ990917_02.9B15.C34
Gene No.	34563	Strand	-
Start	3996	End	11126
Name	OJ990917_02.9B15.C34.o3.tc	Method	TBLASTX:Cress
Start	1	End	5427
GI	none	Score	72
Exons	1..75, 61..231, 68..211, 5163..5426, 5251..5427		

Seq. No.	16411	Seq. ID	OJ990917_02.9B15.C34
Gene No.	34563	Strand	-
Start	3996	End	11126
Name	OJ990917_02.9B15.C34.o1.ts	Method	TBLASTX:Soybean
Start	7	End	5549
GI	5509260	Score	118
Exons	7..75, 82..363, 5052..5549, 5071..5229, 5290..5469		
GI Descrip.	-		

Seq. No.	16411	Seq. ID	OJ990917_02.9B15.C34
Gene No.	34563	Strand	-
Start	3996	End	11126
Name	OJ990917_02.9B15.C34.o5.tm	Method	TBLASTX:Maize
Start	13	End	5498
GI	none	Score	67
Exons	13..75, 82..318, 98..271, 5202..5462, 5202..5498, 5203..5472		

Seq. No.	16411	Seq. ID	OJ990917_02.9B15.C34
Gene No.	34563	Strand	-
Start	3996	End	11126
Name	OJ990917_02.9B15.C34.o2.tw	Method	TBLASTX:Wheat
Start	550	End	907
GI	none	Score	105
Exons	550..660, 566..907, 569..907		

Seq. No.	16411	Seq. ID	OJ990917_02.9B15.C34
Gene No.	34563	Strand	-
Start	3996	End	11126
Name	OJ990917_02.9B15.C34.o2.gs	Method	GENSCAN
Start	3996	End	11126
GI	none	Score	.63
Exons	3996..4385, 4398..4574, 4611..8500, 8566..8801, 9366..9490, 10957..11002, 11089..11126		

Seq. No.	16411	Seq. ID	OJ990917_02.9B15.C34
Gene No.	34563	Strand	-
Start	3996	End	11126
Name	OJ990917_02.9B15.C34.o1.np	Method	AAT/NAP
Start	3999	End	8781
GI	5295971	Score	7779
Exons	3999..8781		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]		

Seq. No.	16411	Seq. ID	OJ990917_02.9B15.C34
Gene No.	34563	Strand	-
Start	3996	End	11126
Name	OJ990917_02.9B15.C34.o3.ts	Method	TBLASTX:Soybean
Start	4023	End	4673
GI	none	Score	49
Exons	4023..4256, 4156..4230, 4311..4499, 4339..4500, 4512..4673		

Seq. No.	16411	Seq. ID	OJ990917_02.9B15.C34
Gene No.	34563	Strand	-
Start	3996	End	11126

Name	OJ990917_02.9B15.C34.o1.tc	Method	TBLASTX:Cress
Start	4032	End	4694
GI	none	Score	91
Exons	4032..4250, 4066..4230, 4329..4397, 4333..4386, 4404..4694, 4522..4632		

Seq. No.	16411	Seq. ID	OJ990917_02.9B15.C34
Gene No.	34563	Strand	-
Start	3996	End	11126
Name	OJ990917_02.9B15.C34.o4.tm	Method	TBLASTX:Maize
Start	4033	End	4422
GI	none	Score	345
Exons	4033..4419, 4035..4340, 4035..4421, 4184..4360, 4315..4422		

Seq. No.	16411	Seq. ID	OJ990917_02.9B15.C34
Gene No.	34563	Strand	-
Start	3996	End	11126
Name	OJ990917_02.9B15.C34.o5.tw	Method	TBLASTX:Wheat
Start	4062	End	4481
GI	none	Score	79
Exons	4062..4265, 4074..4256, 4311..4481, 4324..4398		

Seq. No.	16411	Seq. ID	OJ990917_02.9B15.C34
Gene No.	34563	Strand	-
Start	3996	End	11126
Name	OJ990917_02.9B15.C34.o6.tw	Method	TBLASTX:Wheat
Start	4515	End	4826
GI	none	Score	64
Exons	4515..4694, 4719..4826		

Seq. No.	16411	Seq. ID	OJ990917_02.9B15.C34
Gene No.	34563	Strand	-
Start	3996	End	11126
Name	OJ990917_02.9B15.C34.o3.tm	Method	TBLASTX:Maize
Start	4609	End	5000
GI	none	Score	382
Exons	4609..4998, 4611..4883, 4611..5000, 4681..4998		

Seq. No.	16411	Seq. ID	OJ990917_02.9B15.C34
Gene No.	34563	Strand	-
Start	3996	End	11126
Name	OJ990917_02.9B15.C34.o2.ts	Method	TBLASTX:Soybean
Start	5981	End	6458
GI	none	Score	73
Exons	5981..6028, 6042..6125, 6150..6458, 6162..6422, 6163..6453		

Seq. No.	16411	Seq. ID	OJ990917_02.9B15.C34
Gene No.	34563	Strand	-
Start	3996	End	11126
Name	OJ990917_02.9B15.C34.o2.tc	Method	TBLASTX:Cress
Start	6042	End	6443
GI	none	Score	60
Exons	6042..6125, 6147..6443, 6157..6303, 6361..6393		

Seq. No.	16411	Seq. ID	OJ990917_02.9B15.C34
Gene No.	34563	Strand	-
Start	3996	End	11126

Name	OJ990917_02.9B15.C34.o2.tm	Method	TBLASTX:Maize
Start	6063	End	6489
GI	none	Score	526
Exons	6063..6458, 6063..6485, 6064..6489		

Seq. No.	16411	Seq. ID	OJ990917_02.9B15.C34
Gene No.	34563	Strand	-
Start	3996	End	11126
Name	OJ990917_02.9B15.C34.o4.tw	Method	TBLASTX:Wheat
Start	6141	End	6692
GI	none	Score	42
Exons	6141..6221, 6154..6225, 6228..6494, 6328..6471, 6552..6692		

Seq. No.	16411	Seq. ID	OJ990917_02.9B15.C34
Gene No.	34563	Strand	-
Start	3996	End	11126
Name	OJ990917_02.9B15.C34.o4.ts	Method	TBLASTX:Soybean
Start	6552	End	6827
GI	none	Score	200
Exons	6552..6827, 6651..6731		

Seq. No.	16411	Seq. ID	OJ990917_02.9B15.C34
Gene No.	34563	Strand	-
Start	3996	End	11126
Name	OJ990917_02.9B15.C34.o3.tw	Method	TBLASTX:Wheat
Start	6775	End	7211
GI	none	Score	41
Exons	6775..6840, 6777..6845, 6852..7211, 6913..7197		

Seq. No.	16411	Seq. ID	OJ990917_02.9B15.C34
Gene No.	34563	Strand	-
Start	3996	End	11126
Name	OJ990917_02.9B15.C34.o7.tm	Method	TBLASTX:Maize
Start	6888	End	7128
GI	none	Score	280
Exons	6888..7127, 6889..7128		

Seq. No.	16411	Seq. ID	OJ990917_02.9B15.C34
Gene No.	34563	Strand	-
Start	3996	End	11126
Name	OJ990917_02.9B15.C34.o1.tm	Method	TBLASTX:Maize
Start	7143	End	7859
GI	none	Score	274
Exons	7143..7394, 7146..7391, 7265..7396, 7377..7505, 7408..7563, 7430..7564, 7435..7563, 7570..7602, 7572..7667, 7584..7859, 7585..7842, 7635..7682		

Seq. No.	16411	Seq. ID	OJ990917_02.9B15.C34
Gene No.	34563	Strand	-
Start	3996	End	11126
Name	OJ990917_02.9B15.C34.o6.tm	Method	TBLASTX:Maize
Start	8094	End	8388
GI	none	Score	82
Exons	8094..8150, 8094..8309, 8099..8335, 8170..8271, 8213..8332, 8351..8380, 8353..8388		

Seq. No.	16412	Seq. ID	OJ990917_02.9B15.C35

Gene No.	34564	Strand	+
Start	1	End	285
Name	OJ990917_02.9B15.C35.o1.gp	Method	AAT/GAP
Start	1	End	285
GI	LIB3434-004-P1-K1-C7	Score	527
Exons	1..285		
GI Descrip.	'2062705/gb\|U90552\|HSU90552 5.0e-10 Human butyrophilin (BTF5) mRNA, complete cds'		

Seq. No.	16413	Seq. ID	OJ990917_02.9B15.C38
Gene No.	34565	Strand	+
Start	266	End	498
Name	OJ990917_02.9B15.C38.o1.gs	Method	GENSCAN
Start	266	End	498
GI	none	Score	.62
Exons	266..498		

Seq. No.	16413	Seq. ID	OJ990917_02.9B15.C38
Gene No.	34566	Strand	-
Start	17	End	551
Name	OJ990917_02.9B15.C38.o1.np	Method	AAT/NAP
Start	17	End	551
GI	5852178	Score	79
Exons	17..218, 249..551		
GI Descrip.	(AL117265) zhb0008.1 [Oryza sativa]		

Seq. No.	16414	Seq. ID	OJ990917_02.9B15.C39
Gene No.	34567	Strand	-
Start	101	End	322
Name	OJ990917_02.9B15.C39.o1.gs	Method	GENSCAN
Start	101	End	322
GI	none	Score	.89
Exons	101..322		

Seq. No.	16415	Seq. ID	OJ990917_02.9B15.C40
Gene No.	34568	Strand	+
Start	1	End	692
Name	OJ990917_02.9B15.C40.o1.gp	Method	AAT/GAP
Start	1	End	692
GI	55444_1.R1084	Score	1240
Exons	1..692		
GI Descrip.	'6006874/gb\|AAF00649.1\|AC008153_1 5.0e-38 (AC008153) putative UDP-glucuronosyltransferase, 5'' partial [Arabidopsis thaliana]'		

Seq. No.	16415	Seq. ID	OJ990917_02.9B15.C40
Gene No.	34569	Strand	-
Start	134	End	712
Name	OJ990917_02.9B15.C40.o1.np	Method	AAT/NAP
Start	134	End	712
GI	6006874	Score	543
Exons	134..712		
GI Descrip.	(AC008153) putative UDP-glucuronosyltransferase, 5' partial [Arabidopsis thaliana]		

Seq. No.	16415	Seq. ID	OJ990917_02.9B15.C40
Gene No.	34569	Strand	-
Start	134	End	712

Name	OJ990917_02.9B15.C40.o1.tm	Method	TBLASTX:Maize
Start	158	End	712
GI	none	Score	283
Exons	158..712, 318..692		

Seq. No.	16415	Seq. ID	OJ990917_02.9B15.C40
Gene No.	34569	Strand	-
Start	134	End	712
Name	OJ990917_02.9B15.C40.o1.gs	Method	GENSCAN
Start	187	End	655
GI	none	Score	.67
Exons	187..369, 517..655		

Seq. No.	16415	Seq. ID	OJ990917_02.9B15.C40
Gene No.	34569	Strand	-
Start	134	End	712
Name	OJ990917_02.9B15.C40.o1.tc	Method	TBLASTX:Cress
Start	215	End	712
GI	none	Score	138
Exons	215..496, 220..324, 221..496, 539..712, 540..689		

Seq. No.	16415	Seq. ID	OJ990917_02.9B15.C40
Gene No.	34569	Strand	-
Start	134	End	712
Name	OJ990917_02.9B15.C40.o1.ts	Method	TBLASTX:Soybean
Start	309	End	712
GI	none	Score	246
Exons	309..452, 311..712, 312..692		

Seq. No.	16415	Seq. ID	OJ990917_02.9B15.C40
Gene No.	34569	Strand	-
Start	134	End	712
Name	OJ990917_02.9B15.C40.o1.tw	Method	TBLASTX:Wheat
Start	324	End	712
GI	none	Score	362
Exons	324..710, 326..712, 326..712		

Seq. No.	16416	Seq. ID	OJ990917_02.9B15.C42
Gene No.	34570	Strand	+
Start	254	End	356
Name	OJ990917_02.9B15.C42.o1.gs	Method	GENSCAN
Start	254	End	356
GI	none	Score	.78
Exons	254..356		

Seq. No.	16417	Seq. ID	OJ990917_02.9B15.C43
Gene No.	34571	Strand	-
Start	297	End	506
Name	OJ990917_02.9B15.C43.o1.gs	Method	GENSCAN
Start	297	End	506
GI	none	Score	.44
Exons	297..506		

Seq. No.	16418	Seq. ID	OJ990907_08.9B19.C1
Gene No.	34572	Strand	+
Start	1	End	876
Name	OJ990907_08.9B19.C1.o1.np	Method	AAT/NAP

Start	1	End	876
GI	5902445	Score	1518
Exons	1..876		
GI Descrip.	(AB030283) GAG-POL precursor [Oryza sativa]		

Seq. No.	16418	Seq. ID	OJ990907_08.9B19.C1
Gene No.	34572	Strand	+
Start	1	End	876
Name	OJ990907_08.9B19.C1.o1.tm	Method	TBLASTX:Maize
Start	2	End	354
GI	none	Score	186
Exons	2..244, 16..228, 211..354, 239..352		

Seq. No.	16418	Seq. ID	OJ990907_08.9B19.C1
Gene No.	34572	Strand	+
Start	1	End	876
Name	OJ990907_08.9B19.C1.o1.tw	Method	TBLASTX:Wheat
Start	41	End	439
GI	none	Score	367
Exons	41..439, 64..438		

Seq. No.	16418	Seq. ID	OJ990907_08.9B19.C1
Gene No.	34572	Strand	+
Start	1	End	876
Name	OJ990907_08.9B19.C1.o1.gs	Method	GENSCAN
Start	116	End	866
GI	none	Score	.96
Exons	116..866		

Seq. No.	16418	Seq. ID	OJ990907_08.9B19.C1
Gene No.	34572	Strand	+
Start	1	End	876
Name	OJ990907_08.9B19.C1.o2.tw	Method	TBLASTX:Wheat
Start	476	End	874
GI	none	Score	143
Exons	476..601, 484..585, 656..814, 800..874		

Seq. No.	16418	Seq. ID	OJ990907_08.9B19.C1
Gene No.	34572	Strand	+
Start	1	End	876
Name	OJ990907_08.9B19.C1.o2.tm	Method	TBLASTX:Maize
Start	665	End	876
GI	none	Score	148
Exons	665..817, 757..816, 796..876, 797..874		

Seq. No.	16419	Seq. ID	OJ990907_08.9B19.C2
Gene No.	34573	Strand	-
Start	43	End	1247
Name	OJ990907_08.9B19.C2.o1.np	Method	AAT/NAP
Start	43	End	822
GI	5902447	Score	1033
Exons	43..352, 389..822		
GI Descrip.	(AB030283) orf4 [Oryza sativa]		

Seq. No.	16419	Seq. ID	OJ990907_08.9B19.C2
Gene No.	34573	Strand	-
Start	43	End	1247

Name	OJ990907_08.9B19.C2.o1.gs	Method	GENSCAN
Start	72	End	1193
GI	none	Score	.49
Exons	72..702, 921..1193		

Seq. No.	16419	Seq. ID	OJ990907_08.9B19.C2
Gene No.	34573	Strand	-
Start	43	End	1247
Name	OJ990907_08.9B19.C2.o2.np	Method	AAT/NAP
Start	912	End	1247
GI	5902448	Score	575
Exons	912..1247		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	16420	Seq. ID	OJ990907_08.9B19.C3
Gene No.	34574	Strand	-
Start	1	End	71
Name	OJ990907_08.9B19.C3.o1.np	Method	AAT/NAP
Start	1	End	71
GI	5902448	Score	96
Exons	1..71		
GI Descrip.	(AB030283) orf3 [Oryza sativa]		

Seq. No.	16421	Seq. ID	OJ990907_08.9B19.C5
Gene No.	34575	Strand	+
Start	1667	End	3632
Name	OJ990907_08.9B19.C5.o1.gs	Method	GENSCAN
Start	1667	End	3632
GI	none	Score	.46
Exons	1667..1717, 2787..3632		

Seq. No.	16421	Seq. ID	OJ990907_08.9B19.C5
Gene No.	34576	Strand	+
Start	4783	End	6427
Name	OJ990907_08.9B19.C5.o2.gs	Method	GENSCAN
Start	4783	End	6427
GI	none	Score	.83
Exons	4783..5903, 6016..6427		

Seq. No.	16421	Seq. ID	OJ990907_08.9B19.C5
Gene No.	34576	Strand	+
Start	4783	End	6427
Name	OJ990907_08.9B19.C5.o1.np	Method	AAT/NAP
Start	4798	End	6424
GI	5042164	Score	962
Exons	4798..5903, 6016..6424		
GI Descrip.	(AL078620) cytochrome P450-like protein [Arabidopsis thaliana]		

Seq. No.	16421	Seq. ID	OJ990907_08.9B19.C5
Gene No.	34576	Strand	+
Start	4783	End	6427
Name	OJ990907_08.9B19.C5.o1.gp	Method	AAT/GAP
Start	4879	End	5407
GI	30173_1.R1084	Score	1027
Exons	4879..5407		
GI Descrip.	'4417283/gb\|AAD20408\| 1.0e-39 (AC007019) putative cytochrome p450 [Arabidopsis thaliana]'		

Seq. No.	16421	Seq. ID	OJ990907_08.9B19.C5
Gene No.	34577	Strand	+
Start	8825	End	10395
Name	OJ990907_08.9B19.C5.o2.gp	Method	AAT/GAP
Start	8825	End	9290
GI	uC-osrocyp013c01b1	Score	862
Exons	8825..9290		
GI Descrip.	'2642443 2.0e-17 (AC002391) putative cytochrome P450 [Arabidopsis thaliana]'		

Seq. No.	16421	Seq. ID	OJ990907_08.9B19.C5
Gene No.	34577	Strand	+
Start	8825	End	10395
Name	OJ990907_08.9B19.C5.o2.np	Method	AAT/NAP
Start	8905	End	10395
GI	5042164	Score	989
Exons	8905..10395		
GI Descrip.	(AL078620) cytochrome P450-like protein [Arabidopsis thaliana]		

Seq. No.	16421	Seq. ID	OJ990907_08.9B19.C5
Gene No.	34578	Strand	-
Start	11427	End	13582
Name	OJ990907_08.9B19.C5.o2.tc	Method	TBLASTX:Cress
Start	4852	End	9570
GI	none	Score	341
Exons	4852..5469, 4902..5174, 5017..5178, 8992..9084, 9001..9570, 9108..9275		

Seq. No.	16421	Seq. ID	OJ990907_08.9B19.C5
Gene No.	34578	Strand	-
Start	11427	End	13582
Name	OJ990907_08.9B19.C5.o1.tm	Method	TBLASTX:Maize
Start	4897	End	10266
GI	none	Score	71
Exons	4897..4992, 5041..5127, 5302..5601, 5668..5820, 5845..5904, 6014..6199, 6016..6219, 6218..6352, 8995..9096, 9126..9197, 9126..9239, 9213..9476, 9214..9696, 9799..9888, 9802..9909, 9940..10173, 9993..10175, 10198..10266, 10206..10265		

Seq. No.	16421	Seq. ID	OJ990907_08.9B19.C5
Gene No.	34578	Strand	-
Start	11427	End	13582
Name	OJ990907_08.9B19.C5.o1.ts	Method	TBLASTX:Soybean
Start	4897	End	10380
GI	none	Score	85
Exons	4897..5001, 5041..5127, 5128..5598, 5668..5820, 5668..5817, 5848..5904, 5869..5910, 6014..6199, 6119..6199, 6200..6418, 6220..6417, 8995..9084, 9132..9203, 9133..9240, 9214..9678, 9225..9302, 9777..9938, 9778..9909, 9940..10173, 9996..10172, 10191..10265, 10192..10266, 10351..10380		

Seq. No.	16421	Seq. ID	OJ990907_08.9B19.C5
Gene No.	34578	Strand	-
Start	11427	End	13582
Name	OJ990907_08.9B19.C5.o1.tw	Method	TBLASTX:Wheat
Start	5184	End	9693

GI	none	Score	206
Exons	5184..5546, 5185..5592, 9276..9626, 9283..9693, 9535..9684		

Seq. No.	16421	Seq. ID	OJ990907_08.9B19.C5
Gene No.	34578	Strand	-
Start	11427	End	13582
Name	OJ990907_08.9B19.C5.o2.tw	Method	TBLASTX:Wheat
Start	5668	End	10152
GI	none	Score	97
Exons	5668..5820, 5845..5904, 6014..6178, 6059..6178, 9731..9841, 9768..9905, 9799..9909, 9802..9909, 9940..10152		

Seq. No.	16421	Seq. ID	OJ990907_08.9B19.C5
Gene No.	34578	Strand	-
Start	11427	End	13582
Name	OJ990907_08.9B19.C5.o1.tc	Method	TBLASTX:Cress
Start	6013	End	10386
GI	none	Score	406
Exons	6013..6426, 6014..6415, 9940..10266, 9993..10265, 10336..10386		

Seq. No.	16421	Seq. ID	OJ990907_08.9B19.C5
Gene No.	34578	Strand	-
Start	11427	End	13582
Name	OJ990907_08.9B19.C5.o3.gp	Method	AAT/GAP
Start	11427	End	12388
GI	none	Score	795
Exons	11427..11759, 12293..12388		

Seq. No.	16421	Seq. ID	OJ990907_08.9B19.C5
Gene No.	34578	Strand	-
Start	11427	End	13582
Name	OJ990907_08.9B19.C5.o2.tm	Method	TBLASTX:Maize
Start	11665	End	12639
GI	none	Score	74
Exons	11665..11769, 11673..11753, 12284..12412, 12292..12405, 12294..12410, 12501..12635, 12501..12626, 12502..12639		

Seq. No.	16421	Seq. ID	OJ990907_08.9B19.C5
Gene No.	34578	Strand	-
Start	11427	End	13582
Name	OJ990907_08.9B19.C5.o3.np	Method	AAT/NAP
Start	12239	End	13582
GI	4538935	Score	178
Exons	12239..12410, 12502..12634, 13484..13582		
GI Descrip.	(AL049483) putative protein [Arabidopsis thaliana]		

Seq. No.	16421	Seq. ID	OJ990907_08.9B19.C5
Gene No.	34578	Strand	-
Start	11427	End	13582
Name	OJ990907_08.9B19.C5.o2.ts	Method	TBLASTX:Soybean
Start	12296	End	12597
GI	none	Score	78
Exons	12296..12412, 12300..12410, 12484..12594, 12501..12596, 12502..12597		

Seq. No.	16422	Seq. ID	OJ990907_08.9B19.C6
Gene No.	34579	Strand	-

Start	1451	End	3014
Name	OJ990907_08.9B19.C6.o1.gs	Method	GENSCAN
Start	1451	End	3014
GI	none	Score	.69
Exons	1451..1498, 1617..2114, 2202..3014		

Seq. No.	16422	Seq. ID	OJ990907_08.9B19.C6
Gene No.	34579	Strand	-
Start	1451	End	3014
Name	OJ990907_08.9B19.C6.o1.np	Method	AAT/NAP
Start	1692	End	2262
GI	4582457	Score	228
Exons	1692..1988, 2016..2262		
GI Descrip.	(AC007071) putative PHD-type zinc finger protein [Arabidopsis thaliana]		

Seq. No.	16423	Seq. ID	OJ990907_08.9B19.C7
Gene No.	34580	Strand	+
Start	698	End	960
Name	OJ990907_08.9B19.C7.o1.gp	Method	AAT/GAP
Start	698	End	960
GI	none	Score	502
Exons	698..960		

Seq. No.	16424	Seq. ID	OJ990907_08.9B19.C8
Gene No.	34581	Strand	+
Start	721	End	2680
Name	OJ990907_08.9B19.C8.o1.gp	Method	AAT/GAP
Start	721	End	2680
GI	none	Score	2714
Exons	721..854, 1425..2680		

Seq. No.	16424	Seq. ID	OJ990907_08.9B19.C8
Gene No.	34582	Strand	+
Start	10634	End	10859
Name	OJ990907_08.9B19.C8.o2.gp	Method	AAT/GAP
Start	10634	End	10859
GI	3107235	Score	312
Exons	10634..10859		

Seq. No.	16424	Seq. ID	OJ990907_08.9B19.C8
Gene No.	34583	Strand	-
Start	6717	End	8465
Name	OJ990907_08.9B19.C8.o1.np	Method	AAT/NAP
Start	6717	End	8465
GI	6539571	Score	97
Exons	6717..6816, 7250..7393, 8365..8465		
GI Descrip.	(AP000836) hypothetical protein [Oryza sativa]		

Seq. No.	16424	Seq. ID	OJ990907_08.9B19.C8
Gene No.	34584	Strand	-
Start	12685	End	12923
Name	OJ990907_08.9B19.C8.o3.gp	Method	AAT/GAP
Start	12685	End	12923
GI	none	Score	432
Exons	12685..12923		

Seq. No.	16424	Seq. ID	OJ990907_08.9B19.C8
Gene No.	34585	Strand	-
Start	13849	End	14925
Name	OJ990907_08.9B19.C8.o4.gp	Method	AAT/GAP
Start	13849	End	14925
GI	22321_1.R1084	Score	2118
Exons	13849..14925		
GI Descrip.	'123549/sp\|P24631\|HS21_MAIZE 1.0e-46 17.5 KD CLASS II HEAT SHOCK PROTEIN >gi_100885_pir__S14998 heat shock protein, 18K - maize >gi_22339_emb_CAA38013_ (X54076) 18kDa heat shock protein [Zea mays]'		

Seq. No.	16424	Seq. ID	OJ990907_08.9B19.C8
Gene No.	34585	Strand	-
Start	13849	End	14925
Name	OJ990907_08.9B19.C8.o3.np	Method	AAT/NAP
Start	14099	End	14596
GI	123549	Score	665
Exons	14099..14596		
GI Descrip.	17.5 KD CLASS II HEAT SHOCK PROTEIN gi\|100885\|pir\|\|S14998 heat shock protein, 18K - maize gi\|22339\|emb\|CAA38013\| (X54076) 18kDa heat shock protein [Zea mays]		

Seq. No.	16424	Seq. ID	OJ990907_08.9B19.C8
Gene No.	34586	Strand	-
Start	17787	End	18266
Name	OJ990907_08.9B19.C8.o1.tw	Method	TBLASTX:Wheat
Start	1422	End	1688
GI	none	Score	336
Exons	1422..1682, 1423..1683, 1423..1686, 1434..1688		

Seq. No.	16424	Seq. ID	OJ990907_08.9B19.C8
Gene No.	34586	Strand	-
Start	17787	End	18266
Name	OJ990907_08.9B19.C8.o4.tm	Method	TBLASTX:Maize
Start	1422	End	1617
GI	none	Score	201
Exons	1422..1565, 1423..1566, 1423..1566, 1564..1617, 1567..1608		

Seq. No.	16424	Seq. ID	OJ990907_08.9B19.C8
Gene No.	34586	Strand	-
Start	17787	End	18266
Name	OJ990907_08.9B19.C8.o2.tm	Method	TBLASTX:Maize
Start	1693	End	2073
GI	none	Score	461
Exons	1693..2064, 1701..2072, 1709..2071, 1969..2073		

Seq. No.	16424	Seq. ID	OJ990907_08.9B19.C8
Gene No.	34586	Strand	-
Start	17787	End	18266
Name	OJ990907_08.9B19.C8.o3.tm	Method	TBLASTX:Maize
Start	9693	End	11669
GI	none	Score	66
Exons	9693..9755, 9694..9756, 9856..9948, 9857..9952, 10077..10127, 10077..10118, 10421..10606, 10432..10587, 10673..10783, 10676..10768, 10754..10858, 10754..10858, 10762..10866, 11508..11654, 11512..11664, 11513..11665, 11514..11669,		

11525..11668

Seq. No.	16424	Seq. ID	OJ990907_08.9B19.C8
Gene No.	34586	Strand	-
Start	17787	End	18266
Name	OJ990907_08.9B19.C8.o1.tm	Method	TBLASTX:Maize
Start	14058	End	14599
GI	none	Score	160
Exons	14058..14132, 14100..14276, 14168..14275, 14324..14482, 14363..14425, 14379..14483, 14525..14599, 14541..14585		

Seq. No.	16424	Seq. ID	OJ990907_08.9B19.C8
Gene No.	34586	Strand	-
Start	17787	End	18266
Name	OJ990907_08.9B19.C8.o1.tc	Method	TBLASTX:Cress
Start	14168	End	14483
GI	none	Score	85
Exons	14168..14275, 14175..14273, 14324..14482, 14376..14483		

Seq. No.	16424	Seq. ID	OJ990907_08.9B19.C8
Gene No.	34586	Strand	-
Start	17787	End	18266
Name	OJ990907_08.9B19.C8.o1.ts	Method	TBLASTX:Soybean
Start	14168	End	14599
GI	none	Score	111
Exons	14168..14275, 14175..14273, 14327..14482, 14373..14483, 14525..14599		

Seq. No.	16424	Seq. ID	OJ990907_08.9B19.C8
Gene No.	34586	Strand	-
Start	17787	End	18266
Name	OJ990907_08.9B19.C8.o5.gp	Method	AAT/GAP
Start	17787	End	18266
GI	45924_1.R1084	Score	774
Exons	17787..18266		
GI Descrip.	'6063530/dbj\|AP000615.1\|AP000615 2.0e-19 Oryza sativa genomic DNA, chromosome 3, clone:P0043E01'		

Seq. No.	16425	Seq. ID	OJ990907_08.9B19.C9
Gene No.	34587	Strand	-
Start	60	End	4047
Name	OJ990907_08.9B19.C9.o1.gs	Method	GENSCAN
Start	60	End	4047
GI	none	Score	.56
Exons	60..156, 389..648, 1554..1622, 2501..2609, 2971..3120, 3301..3437, 3511..3693, 4015..4047		

Seq. No.	16425	Seq. ID	OJ990907_08.9B19.C9
Gene No.	34588	Strand	-
Start	6545	End	6650
Name	OJ990907_08.9B19.C9.o1.gp	Method	AAT/GAP
Start	5486	End	6387
GI	none	Score	970
Exons	5486..5768, 5865..5939, 6022..6101, 6170..6253, 6352..6387		

Seq. No.	16425	Seq. ID	OJ990907_08.9B19.C9
Gene No.	34588	Strand	-

Start	6545	End	6650
Name	OJ990907_08.9B19.C9.o2.gs	Method	GENSCAN
Start	6545	End	6650
GI	none	Score	.99
Exons	6545..6650		

Seq. No.	16425	Seq. ID	OJ990907_08.9B19.C9
Gene No.	34589	Strand	-
Start	6574	End	6841
Name	OJ990907_08.9B19.C9.o2.gp	Method	AAT/GAP
Start	6574	End	6841
GI	none	Score	511
Exons	6574..6841		

Seq. No.	16426	Seq. ID	OJ990907_08.9B19.C10
Gene No.	34590	Strand	+
Start	1	End	1801
Name	OJ990907_08.9B19.C10.o1.np	Method	AAT/NAP
Start	1	End	1801
GI	5042161	Score	1067
Exons	1..85, 147..463, 574..997, 1133..1600, 1687..1801		
GI Descrip.	(AL078620) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	16426	Seq. ID	OJ990907_08.9B19.C10
Gene No.	34590	Strand	+
Start	1	End	1801
Name	OJ990907_08.9B19.C10.o1.gs	Method	GENSCAN
Start	207	End	1600
GI	none	Score	.74
Exons	207..463, 574..997, 1133..1600		

Seq. No.	16426	Seq. ID	OJ990907_08.9B19.C10
Gene No.	34590	Strand	+
Start	1	End	1801
Name	OJ990907_08.9B19.C10.o2.tm	Method	TBLASTX:Maize
Start	560	End	799
GI	none	Score	174
Exons	560..799, 571..681, 573..722, 764..796		

Seq. No.	16426	Seq. ID	OJ990907_08.9B19.C10
Gene No.	34590	Strand	+
Start	1	End	1801
Name	OJ990907_08.9B19.C10.o1.tm	Method	TBLASTX:Maize
Start	1234	End	1800
GI	none	Score	113
Exons	1234..1371, 1240..1605, 1241..1600, 1251..1601, 1420..1602, 1684..1800, 1686..1799, 1687..1800		

Seq. No.	16427	Seq. ID	OJ990907_08.9B19.C11
Gene No.	34591	Strand	+
Start	1	End	4234
Name	OJ990907_08.9B19.C11.o1.gp	Method	AAT/GAP
Start	1	End	178
GI	none	Score	344
Exons	1..178		

Seq. No.	16427	Seq. ID	OJ990907_08.9B19.C11

Gene No.	34591	Strand	+
Start	1	End	4234
Name	OJ990907_08.9B19.C11.o1.np	Method	AAT/NAP
Start	1	End	4234
GI	5042161	Score	1960
Exons	1..444, 810..1072, 1168..1350, 2307..2645, 3485..4234		
GI Descrip.	(AL078620) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	16427	Seq. ID	OJ990907_08.9B19.C11
Gene No.	34591	Strand	+
Start	1	End	4234
Name	OJ990907_08.9B19.C11.o2.gp	Method	AAT/GAP
Start	3573	End	3880
GI	LIB3474-003-P1-K1-D3	Score	608
Exons	3573..3880		
GI Descrip.	'5042161/emb\|CAB44680.1\| 2.0e-30 (AL078620) hypothetical protein [Arabidopsis thaliana]'		

Seq. No.	16427	Seq. ID	OJ990907_08.9B19.C11
Gene No.	34592	Strand	+
Start	6295	End	8236
Name	OJ990907_08.9B19.C11.o2.gs	Method	GENSCAN
Start	6295	End	8192
GI	none	Score	.77
Exons	6295..6705, 6833..6954, 7054..7249, 7467..7584, 7691..7738, 7883..7983, 8085..8192		

Seq. No.	16427	Seq. ID	OJ990907_08.9B19.C11
Gene No.	34592	Strand	+
Start	6295	End	8236
Name	OJ990907_08.9B19.C11.o2.np	Method	AAT/NAP
Start	6331	End	8236
GI	1438881	Score	879
Exons	6331..6705, 6833..6954, 7054..7249, 7467..7584, 7691..7738, 7883..7983, 8085..8236		
GI Descrip.	(U43839) GmCK2p [Glycine max]		

Seq. No.	16427	Seq. ID	OJ990907_08.9B19.C11
Gene No.	34593	Strand	+
Start	8590	End	12427
Name	OJ990907_08.9B19.C11.o4.tm	Method	TBLASTX:Maize
Start	42	End	417
GI	none	Score	430
Exons	42..413, 58..417, 58..411, 113..412		

Seq. No.	16427	Seq. ID	OJ990907_08.9B19.C11
Gene No.	34593	Strand	+
Start	8590	End	12427
Name	OJ990907_08.9B19.C11.o1.tm	Method	TBLASTX:Maize
Start	844	End	4273
GI	none	Score	285
Exons	844..1071, 845..1072, 848..1072, 906..1073, 1003..1074, 1165..1353, 1167..1355, 2297..2362, 2304..2636, 2306..2635, 2423..2650, 3484..3693, 3485..3751, 3485..3757, 3723..3878, 3725..4243, 3751..4251, 3752..4273		

Seq. No.	16427	Seq. ID	OJ990907_08.9B19.C11

Gene No.	34593	Strand	+
Start	8590	End	12427
Name	OJ990907_08.9B19.C11.o1.ts	Method	TBLASTX:Soybean
Start	1016	End	4257
GI	none	Score	56
Exons	1016..1072, 1149..1352, 1165..1353, 1166..1354, 1167..1355, 1177..1362, 2289..2540, 2290..2544, 2293..2373, 2306..2545, 2517..2636, 2537..2635, 3484..3546, 3485..3601, 3488..3580, 3558..3755, 3575..4234, 3576..3872, 3587..4060, 3742..4236, 3969..4247, 3970..4128, 4109..4237, 4189..4257		

Seq. No.	16427	Seq. ID	OJ990907_08.9B19.C11
Gene No.	34593	Strand	+
Start	8590	End	12427
Name	OJ990907_08.9B19.C11.o5.tm	Method	TBLASTX:Maize
Start	6220	End	6591
GI	none	Score	40
Exons	6220..6270, 6245..6274, 6346..6507, 6348..6506, 6546..6590, 6547..6591		

Seq. No.	16427	Seq. ID	OJ990907_08.9B19.C11
Gene No.	34593	Strand	+
Start	8590	End	12427
Name	OJ990907_08.9B19.C11.o1.tc	Method	TBLASTX:Cress
Start	6376	End	6705
GI	none	Score	92
Exons	6376..6507, 6544..6582, 6583..6705		

Seq. No.	16427	Seq. ID	OJ990907_08.9B19.C11
Gene No.	34593	Strand	+
Start	8590	End	12427
Name	OJ990907_08.9B19.C11.o2.ts	Method	TBLASTX:Soybean
Start	6379	End	8186
GI	none	Score	87
Exons	6379..6507, 6547..6705, 6827..6955, 6895..6957, 7048..7251, 7049..7249, 7418..7585, 7461..7586, 7467..7601, 7690..7746, 7869..7982, 7882..7983, 8097..8153, 8103..8186		

Seq. No.	16427	Seq. ID	OJ990907_08.9B19.C11
Gene No.	34593	Strand	+
Start	8590	End	12427
Name	OJ990907_08.9B19.C11.o3.tm	Method	TBLASTX:Maize
Start	6592	End	7989
GI	none	Score	187
Exons	6592..6705, 6684..6710, 6824..6955, 6836..6952, 6883..6954, 7049..7249, 7051..7251, 7261..7299, 7457..7582, 7461..7583, 7467..7583, 7468..7584, 7468..7584, 7698..7775, 7699..7746, 7879..7953, 7881..7952, 7888..7971, 7954..7989, 7955..7981, 7956..7988		

Seq. No.	16427	Seq. ID	OJ990907_08.9B19.C11
Gene No.	34593	Strand	+
Start	8590	End	12427
Name	OJ990907_08.9B19.C11.o2.tc	Method	TBLASTX:Cress
Start	7466	End	8189
GI	none	Score	191
Exons	7466..7585, 7467..7586, 7467..7601, 7474..7599, 7487..7621,		

7489..7611, 7887..7985, 7888..7983, 8097..8159, 8102..8161, 8103..8189

Seq. No.	16427	Seq. ID	OJ990907_08.9B19.C11
Gene No.	34593	Strand	+
Start	8590	End	12427
Name	OJ990907_08.9B19.C11.o1.tw	Method	TBLASTX:Wheat
Start	7533	End	8180
GI	none	Score	75
Exons	7533..7583, 7693..7746, 7879..7983, 7884..7985, 8096..8161, 8097..8156, 8100..8180		

Seq. No.	16427	Seq. ID	OJ990907_08.9B19.C11
Gene No.	34593	Strand	+
Start	8590	End	12427
Name	OJ990907_08.9B19.C11.o3.gs	Method	GENSCAN
Start	8590	End	12313
GI	none	Score	.74
Exons	8590..8596, 8847..9073, 9222..9347, 9438..9527, 9637..9775, 10317..10435, 10684..10751, 11601..11649, 11905..12313		

Seq. No.	16427	Seq. ID	OJ990907_08.9B19.C11
Gene No.	34593	Strand	+
Start	8590	End	12427
Name	OJ990907_08.9B19.C11.o3.np	Method	AAT/NAP
Start	9200	End	12427
GI	6119544	Score	927
Exons	9200..9347, 9438..9527, 9637..9775, 10317..10435, 10684..10751, 11601..11649, 11905..12427		
GI Descrip.	(AC011560) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	16427	Seq. ID	OJ990907_08.9B19.C11
Gene No.	34593	Strand	+
Start	8590	End	12427
Name	OJ990907_08.9B19.C11.o2.tm	Method	TBLASTX:Maize
Start	9703	End	12411
GI	none	Score	65
Exons	9703..9774, 9708..9773, 9727..9774, 10315..10440, 10316..10438, 10683..10754, 10684..10752, 11599..11649, 11891..12037, 11894..12391, 11896..12411, 11904..12410		

Seq. No.	16427	Seq. ID	OJ990907_08.9B19.C11
Gene No.	34593	Strand	+
Start	8590	End	12427
Name	OJ990907_08.9B19.C11.o4.ts	Method	TBLASTX:Soybean
Start	11898	End	12099
GI	none	Score	68
Exons	11898..11987, 11902..12099, 11902..12081, 11904..12098		

Seq. No.	16427	Seq. ID	OJ990907_08.9B19.C11
Gene No.	34593	Strand	+
Start	8590	End	12427
Name	OJ990907_08.9B19.C11.o3.ts	Method	TBLASTX:Soybean
Start	12099	End	12426
GI	none	Score	76
Exons	12099..12218, 12099..12263, 12100..12369, 12106..12387, 12361..12426, 12363..12425		

Seq. No.	16428	Seq. ID	OJ990907_08.9B19.C12
Gene No.	34594	Strand	+
Start	1	End	338
Name	OJ990907_08.9B19.C12.o1.np	Method	AAT/NAP
Start	1	End	332
GI	6119544	Score	240
Exons	1..332		
GI Descrip.	(AC011560) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	16428	Seq. ID	OJ990907_08.9B19.C12
Gene No.	34594	Strand	+
Start	1	End	338
Name	OJ990907_08.9B19.C12.o1.gs	Method	GENSCAN
Start	42	End	338
GI	none	Score	.44
Exons	42..338		

Seq. No.	16428	Seq. ID	OJ990907_08.9B19.C12
Gene No.	34595	Strand	-
Start	1454	End	5733
Name	OJ990907_08.9B19.C12.o1.tw	Method	TBLASTX:Wheat
Start	154	End	342
GI	none	Score	142
Exons	154..342, 207..335, 232..336		

Seq. No.	16428	Seq. ID	OJ990907_08.9B19.C12
Gene No.	34595	Strand	-
Start	1454	End	5733
Name	OJ990907_08.9B19.C12.o1.gp	Method	AAT/GAP
Start	1069	End	1338
GI	none	Score	420
Exons	1069..1338		

Seq. No.	16428	Seq. ID	OJ990907_08.9B19.C12
Gene No.	34595	Strand	-
Start	1454	End	5733
Name	OJ990907_08.9B19.C12.o2.gp	Method	AAT/GAP
Start	1252	End	1615
GI	none	Score	564
Exons	1252..1615		

Seq. No.	16428	Seq. ID	OJ990907_08.9B19.C12
Gene No.	34595	Strand	-
Start	1454	End	5733
Name	OJ990907_08.9B19.C12.o2.gs	Method	GENSCAN
Start	1454	End	5622
GI	none	Score	.96
Exons	1454..1670, 2467..2609, 2946..3054, 3153..4314, 5165..5224, 5361..5472, 5587..5622		

Seq. No.	16428	Seq. ID	OJ990907_08.9B19.C12
Gene No.	34595	Strand	-
Start	1454	End	5733
Name	OJ990907_08.9B19.C12.o2.np	Method	AAT/NAP
Start	1487	End	5733
GI	4204695	Score	1051

Exons	1487..1670, 2467..2609, 2946..3054, 3153..3497, 3600..4333, 5352..5465, 5646..5733		
GI Descrip.	(AF117062) putative inositol polyphosphate 5-phosphatase At5P1 [Arabidopsis thaliana]		

Seq. No.	16428	Seq. ID	OJ990907_08.9B19.C12
Gene No.	34595	Strand	-
Start	1454	End	5733
Name	OJ990907_08.9B19.C12.o1.tc	Method	TBLASTX:Cress
Start	1499	End	4286
GI	none	Score	87
Exons	1499..1669, 1554..1670, 2458..2601, 2466..2615, 2929..3054, 2943..3053, 3191..3499, 3195..3296, 3411..3464, 3632..3694, 3944..3976, 4028..4138, 4154..4285, 4185..4286		

Seq. No.	16428	Seq. ID	OJ990907_08.9B19.C12
Gene No.	34595	Strand	-
Start	1454	End	5733
Name	OJ990907_08.9B19.C12.o1.ts	Method	TBLASTX:Soybean
Start	1595	End	3478
GI	none	Score	91
Exons	1595..1669, 2478..2615, 2500..2613, 2943..3053, 2946..3050, 3188..3478, 3192..3284, 3393..3464		

Seq. No.	16428	Seq. ID	OJ990907_08.9B19.C12
Gene No.	34595	Strand	-
Start	1454	End	5733
Name	OJ990907_08.9B19.C12.o3.tm	Method	TBLASTX:Maize
Start	1598	End	3017
GI	none	Score	162
Exons	1598..1669, 2439..2615, 2458..2610, 2937..3017		

Seq. No.	16428	Seq. ID	OJ990907_08.9B19.C12
Gene No.	34595	Strand	-
Start	1454	End	5733
Name	OJ990907_08.9B19.C12.o1.tm	Method	TBLASTX:Maize
Start	3018	End	3514
GI	none	Score	100
Exons	3018..3053, 3152..3184, 3171..3308, 3191..3514, 3411..3494		

Seq. No.	16428	Seq. ID	OJ990907_08.9B19.C12
Gene No.	34595	Strand	-
Start	1454	End	5733
Name	OJ990907_08.9B19.C12.o3.gp	Method	AAT/GAP
Start	3543	End	3998
GI	uC-osrocyp003b08a1	Score	829
Exons	3543..3998		
GI Descrip.	'5091496/dbj\|AB023482.2\|AB023482 6.0e-46 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence'		

Seq. No.	16428	Seq. ID	OJ990907_08.9B19.C12
Gene No.	34595	Strand	-
Start	1454	End	5733
Name	OJ990907_08.9B19.C12.o2.tm	Method	TBLASTX:Maize
Start	3944	End	4298
GI	none	Score	61
Exons	3944..3979, 3945..3980, 3958..3987, 4028..4147, 4041..4112,		

4070..4153, 4145..4297, 4182..4298

Seq. No.	16428	Seq. ID	OJ990907_08.9B19.C12
Gene No.	34595	Strand	-
Start	1454	End	5733
Name	OJ990907_08.9B19.C12.o2.ts	Method	TBLASTX:Soybean
Start	4076	End	4279
GI	none	Score	46
Exons	4076..4138, 4077..4109, 4154..4279, 4185..4271		

Seq. No.	16428	Seq. ID	OJ990907_08.9B19.C12
Gene No.	34595	Strand	-
Start	1454	End	5733
Name	OJ990907_08.9B19.C12.o2.tw	Method	TBLASTX:Wheat
Start	4109	End	5631
GI	none	Score	72
Exons	4109..4192, 4166..4294, 4182..4295, 4193..4312, 4224..4301, 5175..5228, 5412..5474, 5419..5475, 5422..5466, 5587..5631		

Seq. No.	16429	Seq. ID	OJ990907_08.9B19.C16
Gene No.	34596	Strand	+
Start	1	End	552
Name	OJ990907_08.9B19.C16.o1.np	Method	AAT/NAP
Start	1	End	552
GI	6862956	Score	319
Exons	1..552		
GI Descrip.	(AC019018) hypothetical protein [Arabidopsis thaliana]		

Seq. No.	16429	Seq. ID	OJ990907_08.9B19.C16
Gene No.	34596	Strand	+
Start	1	End	552
Name	OJ990907_08.9B19.C16.o1.tm	Method	TBLASTX:Maize
Start	1	End	369
GI	none	Score	181
Exons	1..177, 2..178, 181..369		

Seq. No.	16430	Seq. ID	OJ990907_09.9B19.C1
Gene No.	34597	Strand	+
Start	1	End	719
Name	OJ990907_09.9B19.C1.o1.np	Method	AAT/NAP
Start	1	End	719
GI	806299	Score	379
Exons	1..284, 363..719		
GI Descrip.	(M25427) unknown protein [Zea mays]		

Seq. No.	16430	Seq. ID	OJ990907_09.9B19.C1
Gene No.	34597	Strand	+
Start	1	End	719
Name	OJ990907_09.9B19.C1.o1.ts	Method	TBLASTX:Soybean
Start	90	End	276
GI	none	Score	188
Exons	90..272, 130..273, 130..276		

Seq. No.	16431	Seq. ID	OJ990907_09.9B19.C2
Gene No.	34598	Strand	+
Start	456	End	3218
Name	OJ990907_09.9B19.C2.o1.gs	Method	GENSCAN

Start	456	End	3218
GI	none	Score	.85
Exons	456..710, 974..1312, 1401..1514, 1914..1952, 3105..3218		

Seq. No.	16432	Seq. ID	OJ990907_09.9B19.C3
Gene No.	34599	Strand	+
Start	1067	End	4181
Name	OJ990907_09.9B19.C3.o1.gs	Method	GENSCAN
Start	1067	End	4181
GI	none	Score	.51
Exons	1067..1069, 1681..1772, 3286..3306, 3881..4037, 4074..4181		

Seq. No.	16432	Seq. ID	OJ990907_09.9B19.C3
Gene No.	34600	Strand	+
Start	6519	End	6743
Name	OJ990907_09.9B19.C3.o2.gs	Method	GENSCAN
Start	6519	End	6743
GI	none	Score	.92
Exons	6519..6743		

Seq. No.	16432	Seq. ID	OJ990907_09.9B19.C3
Gene No.	34601	Strand	+
Start	8791	End	13423
Name	OJ990907_09.9B19.C3.o3.gs	Method	GENSCAN
Start	8791	End	13417
GI	none	Score	.88
Exons	8791..8940, 8946..9066, 9174..9540, 10630..11124, 11344..11467, 11741..11901, 11990..12065, 12171..12230, 12313..12438, 12522..12758, 12968..13083, 13219..13417		

Seq. No.	16432	Seq. ID	OJ990907_09.9B19.C3
Gene No.	34601	Strand	+
Start	8791	End	13423
Name	OJ990907_09.9B19.C3.o1.np	Method	AAT/NAP
Start	8916	End	13423
GI	4204912	Score	1046
Exons	8916..9090, 9359..9556, 10840..11124, 11230..11317, 11405..11467, 11741..11901, 11990..12069, 12175..12230, 12331..12438, 12522..12779, 13103..13423		
GI Descrip.	(U58918) MEK kinase [Arabidopsis thaliana]		

Seq. No.	16432	Seq. ID	OJ990907_09.9B19.C3
Gene No.	34601	Strand	+
Start	8791	End	13423
Name	OJ990907_09.9B19.C3.o1.gp	Method	AAT/GAP
Start	9370	End	10869
GI	700303	Score	679
Exons	9370..9540, 10630..10869		

Seq. No.	16432	Seq. ID	OJ990907_09.9B19.C3
Gene No.	34601	Strand	+
Start	8791	End	13423
Name	OJ990907_09.9B19.C3.o2.gp	Method	AAT/GAP
Start	11021	End	11893
GI	LIB3433-013-Q6-K1-D8	Score	677
Exons	11021..11124, 11230..11317, 11405..11467, 11741..11893		
GI Descrip.	'3688191/emb\|CAA08994.1\| 6.0e-41 (AJ010090) MAP3K alpha protein		

kinase [Arabidopsis thaliana]'

Seq. No.	16432	Seq. ID	OJ990907_09.9B19.C3
Gene No.	34602	Strand	-
Start	13217	End	13601
Name	OJ990907_09.9B19.C3.o3.gp	Method	AAT/GAP
Start	13217	End	13601
GI	none	Score	766
Exons	13217..13601		

Seq. No.	16432	Seq. ID	OJ990907_09.9B19.C3
Gene No.	34603	Strand	-
Start	13970	End	15262
Name	OJ990907_09.9B19.C3.o4.gp	Method	AAT/GAP
Start	13956	End	14326
GI	286532	Score	733
Exons	13956..14326		

Seq. No.	16432	Seq. ID	OJ990907_09.9B19.C3
Gene No.	34603	Strand	-
Start	13970	End	15262
Name	OJ990907_09.9B19.C3.o4.gs	Method	GENSCAN
Start	13970	End	15262
GI	none	Score	.95
Exons	13970..15262		

Seq. No.	16432	Seq. ID	OJ990907_09.9B19.C3
Gene No.	34604	Strand	-
Start	16522	End	18094
Name	OJ990907_09.9B19.C3.o4.tm	Method	TBLASTX:Maize
Start	10741	End	11021
GI	none	Score	207
Exons	10741..10899, 10742..10900, 10742..10903, 10915..10980, 10919..10981, 10922..10981, 10923..11021		

Seq. No.	16432	Seq. ID	OJ990907_09.9B19.C3
Gene No.	34604	Strand	-
Start	16522	End	18094
Name	OJ990907_09.9B19.C3.o1.tc	Method	TBLASTX:Cress
Start	11056	End	13285
GI	none	Score	47
Exons	11056..11109, 11063..11122, 11209..11322, 11227..11322, 11228..11335, 11228..11323, 11402..11494, 11404..11463, 11741..11902, 11746..11901, 11759..11920, 11985..12068, 11987..12070, 11988..12071, 12171..12245, 12188..12232, 12315..12440, 12325..12456, 12521..12670, 12522..12680, 12534..12671, 13142..13285		

Seq. No.	16432	Seq. ID	OJ990907_09.9B19.C3
Gene No.	34604	Strand	-
Start	16522	End	18094
Name	OJ990907_09.9B19.C3.o5.tm	Method	TBLASTX:Maize
Start	11058	End	11494
GI	none	Score	110
Exons	11058..11123, 11060..11122, 11228..11332, 11228..11323, 11402..11494, 11402..11476		

Seq. No.	16432	Seq. ID	OJ990907_09.9B19.C3
Gene No.	34604	Strand	-
Start	16522	End	18094
Name	OJ990907_09.9B19.C3.o1.ts	Method	TBLASTX:Soybean
Start	11227	End	13408
GI	none	Score	106
Exons	11227..11322, 11228..11335, 11402..11467, 11402..11467, 11746..11901, 11747..11902, 11753..11905, 11987..12064, 11988..12077, 12171..12236, 12185..12232, 12312..12440, 12325..12456, 12325..12444, 12514..12639, 12521..12745, 12522..12746, 13080..13118, 13174..13233, 13175..13285, 13220..13282, 13385..13408		

Seq. No.	16432	Seq. ID	OJ990907_09.9B19.C3
Gene No.	34604	Strand	-
Start	16522	End	18094
Name	OJ990907_09.9B19.C3.o1.tm	Method	TBLASTX:Maize
Start	11764	End	12674
GI	none	Score	188
Exons	11764..11901, 11765..11902, 11765..11953, 11985..12065, 11987..12103, 11988..12083, 12179..12235, 12195..12239, 12312..12437, 12325..12456, 12522..12617, 12524..12616, 12618..12674		

Seq. No.	16432	Seq. ID	OJ990907_09.9B19.C3
Gene No.	34604	Strand	-
Start	16522	End	18094
Name	OJ990907_09.9B19.C3.o2.tm	Method	TBLASTX:Maize
Start	12974	End	13439
GI	none	Score	119
Exons	12974..13084, 12982..13086, 13145..13426, 13166..13438, 13167..13439		

Seq. No.	16432	Seq. ID	OJ990907_09.9B19.C3
Gene No.	34604	Strand	-
Start	16522	End	18094
Name	OJ990907_09.9B19.C3.o3.tm	Method	TBLASTX:Maize
Start	13954	End	14293
GI	none	Score	83
Exons	13954..14082, 13958..14179, 13970..14071, 14077..14145, 14147..14290, 14147..14293, 14166..14291		

Seq. No.	16432	Seq. ID	OJ990907_09.9B19.C3
Gene No.	34604	Strand	-
Start	16522	End	18094
Name	OJ990907_09.9B19.C3.o5.gs	Method	GENSCAN
Start	16522	End	18094
GI	none	Score	.53
Exons	16522..17172, 17462..18094		

Seq. No.	16433	Seq. ID	OJ990907_09.9B19.C4
Gene No.	34605	Strand	-
Start	860	End	1272
Name	OJ990907_09.9B19.C4.o1.gs	Method	GENSCAN
Start	860	End	1272
GI	none	Score	.73
Exons	860..952, 1267..1272		

Seq. No.	16434	Seq. ID	OJ990907_09.9B19.C6
Gene No.	34606	Strand	-
Start	979	End	1034
Name	OJ990907_09.9B19.C6.o1.gs	Method	GENSCAN
Start	979	End	1034
GI	none	Score	.99
Exons	979..1034		

Seq. No.	16435	Seq. ID	OJ990907_09.9B19.C8
Gene No.	34607	Strand	+
Start	1495	End	3327
Name	OJ990907_09.9B19.C8.o1.gs	Method	GENSCAN
Start	1495	End	3327
GI	none	Score	.64
Exons	1495..1536, 1907..1924, 2198..2379, 3179..3327		

Seq. No.	16435	Seq. ID	OJ990907_09.9B19.C8
Gene No.	34608	Strand	+
Start	3418	End	3665
Name	OJ990907_09.9B19.C8.o1.np	Method	AAT/NAP
Start	3418	End	3665
GI	6721553	Score	310
Exons	3418..3665		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi\|6815078\|dbj\|BAA90364.1\| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	16436	Seq. ID	OJ990907_09.9B19.C9
Gene No.	34609	Strand	+
Start	81	End	340
Name	OJ990907_09.9B19.C9.o1.gp	Method	AAT/GAP
Start	81	End	340
GI	3761601	Score	381
Exons	81..340		
GI Descrip.	5091496/dbj\|AB023482.2\|AB023482 6.0e-46 Oryza sativa genomic DNA, chromosome 6, clone P0680A03, complete sequence		

Seq. No.	16436	Seq. ID	OJ990907_09.9B19.C9
Gene No.	34610	Strand	+
Start	587	End	778
Name	OJ990907_09.9B19.C9.o1.gs	Method	GENSCAN
Start	587	End	778
GI	none	Score	.41
Exons	587..778		

Seq. No.	16436	Seq. ID	OJ990907_09.9B19.C9
Gene No.	34611	Strand	+
Start	5561	End	11553
Name	OJ990907_09.9B19.C9.o1.np	Method	AAT/NAP
Start	5561	End	11553
GI	2980798	Score	564
Exons	5561..5688, 5981..6181, 6395..6691, 6786..6905, 7084..7141, 7220..7434, 7550..7618, 7744..7838, 11135..11228, 11442..11553		
GI Descrip.	(AL022197) putative protein [Arabidopsis thaliana]		

Seq. No.	16436	Seq. ID	OJ990907_09.9B19.C9

Gene No.	34611	Strand	+
Start	5561	End	11553
Name	OJ990907_09.9B19.C9.o3.tm	Method	TBLASTX:Maize
Start	5611	End	5904
GI	none	Score	98
Exons	5611..5676, 5612..5677, 5677..5706, 5733..5855, 5734..5868, 5743..5850, 5871..5903, 5872..5904, 5874..5903		

Seq. No.	16436	Seq. ID	OJ990907_09.9B19.C9
Gene No.	34611	Strand	+
Start	5561	End	11553
Name	OJ990907_09.9B19.C9.o2.tm	Method	TBLASTX:Maize
Start	6187	End	6588
GI	none	Score	86
Exons	6187..6267, 6188..6262, 6215..6286, 6271..6342, 6275..6328, 6316..6387, 6317..6385, 6331..6456, 6412..6432, 6433..6468, 6525..6587, 6526..6588, 6532..6588, 6538..6573		

Seq. No.	16436	Seq. ID	OJ990907_09.9B19.C9
Gene No.	34611	Strand	+
Start	5561	End	11553
Name	OJ990907_09.9B19.C9.o2.ts	Method	TBLASTX:Soybean
Start	6275	End	6913
GI	none	Score	92
Exons	6275..6385, 6538..6591, 6626..6691, 6628..6696, 6783..6905, 6784..6906, 6785..6913, 6794..6913		

Seq. No.	16436	Seq. ID	OJ990907_09.9B19.C9
Gene No.	34611	Strand	+
Start	5561	End	11553
Name	OJ990907_09.9B19.C9.o1.tm	Method	TBLASTX:Maize
Start	6773	End	7621
GI	none	Score	223
Exons	6773..6907, 6783..6905, 6800..6913, 7087..7140, 7092..7169, 7093..7140, 7218..7430, 7219..7437, 7228..7434, 7537..7620, 7543..7620, 7544..7621		

Seq. No.	16436	Seq. ID	OJ990907_09.9B19.C9
Gene No.	34611	Strand	+
Start	5561	End	11553
Name	OJ990907_09.9B19.C9.o2.gp	Method	AAT/GAP
Start	6786	End	11480
GI	34690_1.R1084	Score	1118
Exons	6786..6905, 7093..7141, 7220..7434, 7550..7618, 7744..7838, 11135..11228, 11442..11480		
GI Descrip.	'2980798/emb\|CAA18174.1\| 2.0e-58 (AL022197) putative protein [Arabidopsis thaliana]'		

Seq. No.	16436	Seq. ID	OJ990907_09.9B19.C9
Gene No.	34611	Strand	+
Start	5561	End	11553
Name	OJ990907_09.9B19.C9.o1.tc	Method	TBLASTX:Cress
Start	6843	End	11510
GI	none	Score	112
Exons	6843..6905, 6845..6913, 7092..7139, 7093..7140, 7252..7326, 7254..7325, 7324..7437, 7326..7463, 7327..7437, 7543..7620, 7544..7621, 7741..7800, 7741..7800, 7777..7836, 11129..11224,		

11136..11231, 11136..11228, 11423..11509, 11436..11510, 11439..11510

Seq. No.	16436	Seq. ID	OJ990907_09.9B19.C9
Gene No.	34611	Strand	+
Start	5561	End	11553
Name	OJ990907_09.9B19.C9.o1.ts	Method	TBLASTX:Soybean
Start	7096	End	11510
GI	none	Score	96
Exons	7096..7140, 7098..7136, 7218..7463, 7219..7437, 7229..7456, 7543..7620, 7544..7621, 7741..7800, 7741..7800, 7801..7836, 11135..11224, 11136..11231, 11136..11231, 11143..11232, 11423..11509, 11439..11510		

Seq. No.	16437	Seq. ID	OJ990907_09.9B19.C10
Gene No.	34612	Strand	+
Start	1	End	1962
Name	OJ990907_09.9B19.C10.o1.np	Method	AAT/NAP
Start	1	End	475
GI	2980798	Score	60
Exons	1..192, 406..475		
GI Descrip.	(AL022197) putative protein [Arabidopsis thaliana]		

Seq. No.	16437	Seq. ID	OJ990907_09.9B19.C10
Gene No.	34612	Strand	+
Start	1	End	1962
Name	OJ990907_09.9B19.C10.o1.gs	Method	GENSCAN
Start	99	End	1962
GI	none	Score	.97
Exons	99:..192, 406..475, 1004..1962		

Seq. No.	16437	Seq. ID	OJ990907_09.9B19.C10
Gene No.	34612	Strand	+
Start	1	End	1962
Name	OJ990907_09.9B19.C10.o2.np	Method	AAT/NAP
Start	1312	End	1905
GI	1174199	Score	174
Exons	1312..1794, 1840..1905		
GI Descrip.	(U44760) S25-PR6 [Nicotiana tabacum]		

Seq. No.	16437	Seq. ID	OJ990907_09.9B19.C10
Gene No.	34613	Strand	+
Start	2052	End	2539
Name	OJ990907_09.9B19.C10.o1.gp	Method	AAT/GAP
Start	2052	End	2539
GI	none	Score	729
Exons	2052..2539		

Seq. No.	16437	Seq. ID	OJ990907_09.9B19.C10
Gene No.	34614	Strand	-
Start	3371	End	4452
Name	OJ990907_09.9B19.C10.o2.tm	Method	TBLASTX:Maize
Start	110	End	1400
GI	none	Score	84
Exons	110..193, 110..190, 111..212, 112..210, 384..473, 400..474, 403..474, 404..478, 1002..1046, 1006..1032, 1097..1399, 1098..1283, 1101..1400, 1120..1359, 1305..1400		

Seq. No.	16437	Seq. ID	OJ990907_09.9B19.C10
Gene No.	34614	Strand	-
Start	3371	End	4452
Name	OJ990907_09.9B19.C10.o1.tm	Method	TBLASTX:Maize
Start	1401	End	1879
GI	none	Score	753
Exons	1401..1676, 1404..1829, 1406..1879		

Seq. No.	16437	Seq. ID	OJ990907_09.9B19.C10
Gene No.	34614	Strand	-
Start	3371	End	4452
Name	OJ990907_09.9B19.C10.o2.gs	Method	GENSCAN
Start	3371	End	4452
GI	none	Score	.46
Exons	3371..3422, 3499..3588, 3857..4452		

Seq. No.	16438	Seq. ID	OJ990907_09.9B19.C12
Gene No.	34615	Strand	-
Start	158	End	252
Name	OJ990907_09.9B19.C12.o1.gs	Method	GENSCAN
Start	158	End	252
GI	none	Score	.95
Exons	158..252		

Seq. No.	16439	Seq. ID	OJ990907_09.9B19.C13
Gene No.	34616	Strand	-
Start	1	End	283
Name	OJ990907_09.9B19.C13.o1.np	Method	AAT/NAP
Start	1	End	283
GI	6721553	Score	393
Exons	1..283		
GI Descrip.	(AP001073) hypothetical protein [Oryza sativa] gi\|6815078\|dbj\|BAA90364.1\| (AP001081) hypothetical protein [Oryza sativa]		

Seq. No.	16439	Seq. ID	OJ990907_09.9B19.C13
Gene No.	34616	Strand	-
Start	1	End	283
Name	OJ990907_09.9B19.C13.o1.gs	Method	GENSCAN
Start	99	End	252
GI	none	Score	.94
Exons	99..252		

Seq. No.	16440	Seq. ID	OJ990907_09.9B19.C14
Gene No.	34617	Strand	-
Start	1	End	3812
Name	OJ990907_09.9B19.C14.o1.np	Method	AAT/NAP
Start	1	End	3522
GI	3941468	Score	458
Exons	1..281, 1152..1385, 3405..3522		
GI Descrip.	(AF062888) putative transcription factor [Arabidopsis thaliana]		

Seq. No.	16440	Seq. ID	OJ990907_09.9B19.C14
Gene No.	34617	Strand	-
Start	1	End	3812
Name	OJ990907_09.9B19.C14.o1.gp	Method	AAT/GAP

Start	464	End	897
GI	3768334	Score	762
Exons	464..897		

Seq. No.	16440	Seq. ID	OJ990907_09.9B19.C14
Gene No.	34617	Strand	-
Start	1	End	3812
Name	OJ990907_09.9B19.C14.o1.gs	Method	GENSCAN
Start	763	End	3585
GI	none	Score	.98
Exons	763..1385, 3405..3585		

Seq. No.	16440	Seq. ID	OJ990907_09.9B19.C14
Gene No.	34617	Strand	-
Start	1	End	3812
Name	OJ990907_09.9B19.C14.o2.gp	Method	AAT/GAP
Start	1355	End	3812
GI	3768333	Score	815
Exons	1355..1385, 3405..3812		

Seq. No.	16440	Seq. ID	OJ990907_09.9B19.C14
Gene No.	34618	Strand	-
Start	4440	End	4623
Name	OJ990907_09.9B19.C14.o1.tc	Method	TBLASTX:Cress
Start	1201	End	3517
GI	none	Score	165
Exons	1201..1389, 1205..1387, 3382..3516, 3389..3517		

Seq. No.	16440	Seq. ID	OJ990907_09.9B19.C14
Gene No.	34618	Strand	-
Start	4440	End	4623
Name	OJ990907_09.9B19.C14.o1.ts	Method	TBLASTX:Soybean
Start	1201	End	3516
GI	none	Score	171
Exons	1201..1389, 1205..1387, 3382..3516, 3389..3514		

Seq. No.	16440	Seq. ID	OJ990907_09.9B19.C14
Gene No.	34618	Strand	-
Start	4440	End	4623
Name	OJ990907_09.9B19.C14.o1.tm	Method	TBLASTX:Maize
Start	1201	End	3561
GI	none	Score	245
Exons	1201..1389, 1205..1387, 3382..3561, 3396..3506, 3404..3556		

Seq. No.	16440	Seq. ID	OJ990907_09.9B19.C14
Gene No.	34618	Strand	-
Start	4440	End	4623
Name	OJ990907_09.9B19.C14.o3.gp	Method	AAT/GAP
Start	4440	End	4623
GI	LIB3477-003-P1-K1-E9	Score	106
Exons	4440..4510, 4592..4623		
GI Descrip.	'2498586/sp\|Q40638\|MPO1_ORYSA 2.0e-24 MAJOR POLLEN ALLERGEN ORY S 1 PRECURSOR (ORY S I) >gi_1173557 (U31771) Ory s 1 [Oryza sativa]'		

Seq. No.	16441	Seq. ID	OJ990907_09.9B19.C16
Gene No.	34619	Strand	-

Start	329	End	506
Name	OJ990907_09.9B19.C16.o1.gs	Method	GENSCAN
Start	329	End	506
GI	none	Score	.76
Exons	329..506		

Seq. No.	16442	Seq. ID	OJ990907_09.9B19.C17
Gene No.	34620	Strand	-
Start	7187	End	7711
Name	OJ990907_09.9B19.C17.o2.gs	Method	GENSCAN
Start	7187	End	7711
GI	none	Score	.96
Exons	7187..7215, 7567..7711		

Seq. No.	16442	Seq. ID	OJ990907_09.9B19.C17
Gene No.	34621	Strand	-
Start	14363	End	15359
Name	OJ990907_09.9B19.C17.o1.gp	Method	AAT/GAP
Start	13773	End	14268
GI	none	Score	893
Exons	13773..14268		

Seq. No.	16442	Seq. ID	OJ990907_09.9B19.C17
Gene No.	34621	Strand	-
Start	14363	End	15359
Name	OJ990907_09.9B19.C17.o3.gs	Method	GENSCAN
Start	14363	End	15357
GI	none	Score	.91
Exons	14363..15357		

Seq. No.	16442	Seq. ID	OJ990907_09.9B19.C17
Gene No.	34621	Strand	-
Start	14363	End	15359
Name	OJ990907_09.9B19.C17.o1.np	Method	AAT/NAP
Start	14420	End	15043
GI	1174199	Score	182
Exons	14420..14476, 14555..15043		
GI Descrip.	(U44760) S25-PR6 [Nicotiana tabacum]		

Seq. No.	16442	Seq. ID	OJ990907_09.9B19.C17
Gene No.	34621	Strand	-
Start	14363	End	15359
Name	OJ990907_09.9B19.C17.o1.tm	Method	TBLASTX:Maize
Start	14526	End	14957
GI	none	Score	55
Exons	14526..14552, 14529..14954, 14530..14952, 14682..14957		

Seq. No.	16442	Seq. ID	OJ990907_09.9B19.C17
Gene No.	34621	Strand	-
Start	14363	End	15359
Name	OJ990907_09.9B19.C17.o2.tm	Method	TBLASTX:Maize
Start	14958	End	15359
GI	none	Score	372
Exons	14958..15269, 14958..15053, 14959..15339, 15023..15235, 15075..15260, 15321..15359		

Seq. No.	16443	Seq. ID	OJ990907_09.9B19.C18

Gene No.	34622	Strand	+
Start	4228	End	5016
Name	OJ990907_09.9B19.C18.o2.gs	Method	GENSCAN
Start	4228	End	5016
GI	none	Score	.85
Exons	4228..4444, 4517..5016		

Seq. No.	16443	Seq. ID	OJ990907_09.9B19.C18
Gene No.	34623	Strand	-
Start	1	End	4082
Name	OJ990907_09.9B19.C18.o1.np	Method	AAT/NAP
Start	1	End	4055
GI	2980798	Score	490
Exons	1..39, 2135..2229, 2354..2422, 2527..2741, 2818..2866, 3035..3163, 3258..3598, 3768..4055		
GI Descrip.	(AL022197) putative protein [Arabidopsis thaliana]		

Seq. No.	16443	Seq. ID	OJ990907_09.9B19.C18
Gene No.	34623	Strand	-
Start	1	End	4082
Name	OJ990907_09.9B19.C18.o1.gs	Method	GENSCAN
Start	1731	End	4082
GI	none	Score	.55
Exons	1731..1908, 2135..2229, 2527..2866, 3096..3163, 3258..4082		

Seq. No.	16443	Seq. ID	OJ990907_09.9B19.C18
Gene No.	34623	Strand	-
Start	1	End	4082
Name	OJ990907_09.9B19.C18.o1.gp	Method	AAT/GAP
Start	2132	End	3177
GI	34690_1.R1084	Score	912
Exons	2132..2229, 2354..2422, 2527..2741, 2818..2866, 3044..3177		
GI Descrip.	'2980798/emb\|CAA18174.1\| 2.0e-58 (AL022197) putative protein [Arabidopsis thaliana]'		

Seq. No.	16443	Seq. ID	OJ990907_09.9B19.C18
Gene No.	34624	Strand	-
Start	8281	End	8459
Name	OJ990907_09.9B19.C18.o1.ts	Method	TBLASTX:Soybean
Start	2137	End	2863
GI	none	Score	37
Exons	2137..2172, 2138..2170, 2173..2232, 2173..2232, 2351..2428, 2352..2426, 2524..2721, 2531..2722, 2568..2729, 2573..2731, 2819..2863, 2823..2861		

Seq. No.	16443	Seq. ID	OJ990907_09.9B19.C18
Gene No.	34624	Strand	-
Start	8281	End	8459
Name	OJ990907_09.9B19.C18.o1.tc	Method	TBLASTX:Cress
Start	2137	End	3106
GI	none	Score	49
Exons	2137..2196, 2173..2232, 2173..2232, 2351..2428, 2352..2423, 2522..2635, 2524..2634, 2635..2709, 2636..2707, 2819..2866, 2820..2867, 3036..3104, 3044..3106		

Seq. No.	16443	Seq. ID	OJ990907_09.9B19.C18
Gene No.	34624	Strand	-

Start	8281	End	8459
Name	OJ990907_09.9B19.C18.o1.tm	Method	TBLASTX:Maize
Start	2351	End	3167
GI	none	Score	102
Exons	2351..2428, 2352..2453, 2352..2435, 2524..2721, 2531..2722, 2549..2731, 2790..2867, 2791..2868, 2819..2872, 2819..2866, 2823..2867, 3033..3086, 3042..3167, 3044..3166		

Seq. No.	16443	Seq. ID	OJ990907_09.9B19.C18
Gene No.	34624	Strand	-
Start	8281	End	8459
Name	OJ990907_09.9B19.C18.o2.ts	Method	TBLASTX:Soybean
Start	3033	End	3695
GI	none	Score	132
Exons	3033..3086, 3036..3164, 3037..3165, 3044..3166, 3202..3321, 3258..3323, 3585..3695		

Seq. No.	16443	Seq. ID	OJ990907_09.9B19.C18
Gene No.	34624	Strand	-
Start	8281	End	8459
Name	OJ990907_09.9B19.C18.o3.tm	Method	TBLASTX:Maize
Start	3583	End	3936
GI	none	Score	199
Exons	3583..3777, 3591..3776, 3635..3781, 3682..3936		

Seq. No.	16443	Seq. ID	OJ990907_09.9B19.C18
Gene No.	34624	Strand	-
Start	8281	End	8459
Name	OJ990907_09.9B19.C18.o2.tm	Method	TBLASTX:Maize
Start	4064	End	4359
GI	none	Score	44
Exons	4064..4099, 4069..4101, 4123..4230, 4123..4239, 4253..4303, 4293..4358, 4306..4359		

Seq. No.	16443	Seq. ID	OJ990907_09.9B19.C18
Gene No.	34624	Strand	-
Start	8281	End	8459
Name	OJ990907_09.9B19.C18.o3.gs	Method	GENSCAN
Start	8281	End	8459
GI	none	Score	.48
Exons	8281..8459		

Seq. No.	16444	Seq. ID	OJ990927_04.9B22.C1
Gene No.	34625	Strand	-
Start	563	End	1674
Name	OJ990927_04.9B22.C1.o2.tm	Method	TBLASTX:Maize
Start	460	End	719
GI	none	Score	67
Exons	460..507, 461..508, 555..713, 578..718, 579..719		

Seq. No.	16444	Seq. ID	OJ990927_04.9B22.C1
Gene No.	34625	Strand	-
Start	563	End	1674
Name	OJ990927_04.9B22.C1.o1.gs	Method	GENSCAN
Start	563	End	1567
GI	none	Score	1
Exons	563..1567		

Seq. No.	16444	Seq. ID	OJ990927_04.9B22.C1
Gene No.	34625	Strand	-
Start	563	End	1674
Name	OJ990927_04.9B22.C1.o1.tm	Method	TBLASTX:Maize
Start	719	End	1120
GI	none	Score	370
Exons	719..1120, 720..1115		

Seq. No.	16444	Seq. ID	OJ990927_04.9B22.C1
Gene No.	34625	Strand	-
Start	563	End	1674
Name	OJ990927_04.9B22.C1.o1.gp	Method	AAT/GAP
Start	942	End	1674
GI	none	Score	1387
Exons	942..1674		

Seq. No.	16445	Seq. ID	OJ990927_04.9B22.C2
Gene No.	34626	Strand	+
Start	1838	End	2227
Name	OJ990927_04.9B22.C2.o1.gs	Method	GENSCAN
Start	1838	End	2227
GI	none	Score	.94
Exons	1838..2227		

Seq. No.	16445	Seq. ID	OJ990927_04.9B22.C2
Gene No.	34627	Strand	-
Start	2283	End	3374
Name	OJ990927_04.9B22.C2.o1.gp	Method	AAT/GAP
Start	2283	End	2776
GI	none	Score	940
Exons	2283..2776		

Seq. No.	16445	Seq. ID	OJ990927_04.9B22.C2
Gene No.	34627	Strand	-
Start	2283	End	3374
Name	OJ990927_04.9B22.C2.o2.gs	Method	GENSCAN
Start	2411	End	3352
GI	none	Score	.98
Exons	2411..3352		

Seq. No.	16445	Seq. ID	OJ990927_04.9B22.C2
Gene No.	34627	Strand	-
Start	2283	End	3374
Name	OJ990927_04.9B22.C2.o2.gp	Method	AAT/GAP
Start	2524	End	3374
GI	none	Score	1349
Exons	2524..3374		

Seq. No.	16445	Seq. ID	OJ990927_04.9B22.C2
Gene No.	34628	Strand	-
Start	4216	End	5353
Name	OJ990927_04.9B22.C2.o2.tm	Method	TBLASTX:Maize
Start	2420	End	4782
GI	none	Score	130
Exons	2420..2512, 2420..2560, 2436..2561, 4729..4782		

Seq. No.	16445	Seq. ID	OJ990927_04.9B22.C2
Gene No.	34628	Strand	-
Start	4216	End	5353
Name	OJ990927_04.9B22.C2.o1.tm	Method	TBLASTX:Maize
Start	2561	End	2962
GI	none	Score	190
Exons	2561..2962, 2562..2741, 2835..2921		

Seq. No.	16445	Seq. ID	OJ990927_04.9B22.C2
Gene No.	34628	Strand	-
Start	4216	End	5353
Name	OJ990927_04.9B22.C2.o3.gs	Method	GENSCAN
Start	4216	End	5353
GI	none	Score	.48
Exons	4216..4440, 4636..4659, 4773..4956, 5301..5353		

Seq. No.	16446	Seq. ID	OJ990927_04.9B22.C3
Gene No.	34629	Strand	+
Start	2877	End	6603
Name	OJ990927_04.9B22.C3.o1.gs	Method	GENSCAN
Start	2877	End	5967
GI	none	Score	.56
Exons	2877..2973, 3287..3374, 3788..3962, 5203..5563, 5804..5967		

Seq. No.	16446	Seq. ID	OJ990927_04.9B22.C3
Gene No.	34629	Strand	+
Start	2877	End	6603
Name	OJ990927_04.9B22.C3.o2.np	Method	AAT/NAP
Start	4910	End	6603
GI	6907086	Score	1157
Exons	4910..5674, 5735..5906, 6138..6423, 6501..6603		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	16447	Seq. ID	OJ990927_04.9B22.C4
Gene No.	34630	Strand	+
Start	8274	End	8582
Name	OJ990927_04.9B22.C4.o1.np	Method	AAT/NAP
Start	8274	End	8582
GI	122106	Score	523
Exons	8274..8582		
GI Descrip.	HISTONE H4 gi\|70771\|pir\|\|HSZM4 histone H4 - maize gi\|81642\|pir\|\|S06904 histone H4 - Arabidopsis thaliana gi\|2119028\|pir\|\|S60475 histone H4 - garden pea gi\|21795\|emb\|CAA24924\| (X00043) histone H4 [Triticum aestivum] gi\|166740 (M17132) histone H4 [Arabidopsis thaliana] gi\|166742 (M17133) histone H4 [Arabidopsis thaliana] gi\|168499 (M36659) histone H4 (H4C13) [Zea mays]		

Seq. No.	16447	Seq. ID	OJ990927_04.9B22.C4
Gene No.	34631	Strand	+
Start	13891	End	14399
Name	OJ990927_04.9B22.C4.o3.gp	Method	AAT/GAP
Start	13891	End	14399
GI	35064_1.R1084	Score	1006
Exons	13891..14399		
GI Descrip.	'2829892 3.0e-12 (AC002311) putative pectinesterase [Arabidopsis thaliana]'		

Seq. No.	16447	Seq. ID	OJ990927_04.9B22.C4
Gene No.	34632	Strand	-
Start	379	End	3357
Name	OJ990927_04.9B22.C4.o1.gs	Method	GENSCAN
Start	379	End	3357
GI	none	Score	.6
Exons	379..461, 636..766, 790..918, 1052..1090, 2019..2168, 2484..2612, 2660..3357		

Seq. No.	16447	Seq. ID	OJ990927_04.9B22.C4
Gene No.	34633	Strand	-
Start	4996	End	16460
Name	OJ990927_04.9B22.C4.o2.np	Method	AAT/NAP
Start	4996	End	16460
GI	6523547	Score	223
Exons	4996..5052, 7029..7235, 8279..8447, 9555..9753, 14420..14702, 14961..15032, 16219..16460		
GI Descrip.	(AJ242540) hydroxyproline-rich glycoprotein DZ-HRGP [Volvox carteri f. nagariensis]		

Seq. No.	16447	Seq. ID	OJ990927_04.9B22.C4
Gene No.	34633	Strand	-
Start	4996	End	16460
Name	OJ990927_04.9B22.C4.o2.gs	Method	GENSCAN
Start	6303	End	7241
GI	none	Score	.98
Exons	6303..7241		

Seq. No.	16447	Seq. ID	OJ990927_04.9B22.C4
Gene No.	34633	Strand	-
Start	4996	End	16460
Name	OJ990927_04.9B22.C4.o1.gp	Method	AAT/GAP
Start	7945	End	8712
GI	666_10.R1084	Score	871
Exons	7945..7973, 8226..8712		
GI Descrip.	'3402817/emb\|CAA07704\| 2.0e-35 (AJ007829) lacZ'' [Cloning vector pGreen]'		

Seq. No.	16447	Seq. ID	OJ990927_04.9B22.C4
Gene No.	34633	Strand	-
Start	4996	End	16460
Name	OJ990927_04.9B22.C4.o4.gs	Method	GENSCAN
Start	8841	End	9794
GI	none	Score	.96
Exons	8841..9794		

Seq. No.	16447	Seq. ID	OJ990927_04.9B22.C4
Gene No.	34633	Strand	-
Start	4996	End	16460
Name	OJ990927_04.9B22.C4.o5.gs	Method	GENSCAN
Start	10043	End	10295
GI	none	Score	.59
Exons	10043..10145, 10180..10295		

Seq. No.	16447	Seq. ID	OJ990927_04.9B22.C4
Gene No.	34633	Strand	-

Start	4996	End	16460
Name	OJ990927_04.9B22.C4.o6.gs	Method	GENSCAN
Start	14197	End	16113
GI	none	Score	.42
Exons	14197..14897, 14961..16113		

Seq. No.	16447	Seq. ID	OJ990927_04.9B22.C4
Gene No.	34633	Strand	-
Start	4996	End	16460
Name	OJ990927_04.9B22.C4.o3.np	Method	AAT/NAP
Start	14206	End	16107
GI	6714532	Score	1316
Exons	14206..14897, 14961..15884, 15916..16107		
GI Descrip.	(AB029461) pectin methylesterase [Salix gilgiana]		

Seq. No.	16447	Seq. ID	OJ990927_04.9B22.C4
Gene No.	34633	Strand	-
Start	4996	End	16460
Name	OJ990927_04.9B22.C4.o4.gp	Method	AAT/GAP
Start	14518	End	14908
GI	uC-osflcyp169f02b1	Score	743
Exons	14518..14908		
GI Descrip.	'2739370 3.0e-38 (AC002505) putative pectinesterase [Arabidopsis thaliana]'		

Seq. No.	16447	Seq. ID	OJ990927_04.9B22.C4
Gene No.	34634	Strand	-
Start	16881	End	18652
Name	OJ990927_04.9B22.C4.o2.tm	Method	TBLASTX:Maize
Start	2567	End	6872
GI	none	Score	234
Exons	2567..2779, 2568..2765, 2656..2787, 2780..2950, 2782..2928, 2791..2961, 2923..2967, 6462..6539, 6475..6540, 6582..6620, 6648..6764, 6669..6761, 6756..6872, 6786..6872		

Seq. No.	16447	Seq. ID	OJ990927_04.9B22.C4
Gene No.	34634	Strand	-
Start	16881	End	18652
Name	OJ990927_04.9B22.C4.o3.tw	Method	TBLASTX:Wheat
Start	3027	End	15261
GI	none	Score	142
Exons	3027..3074, 14965..15261, 14966..15214, 15016..15261		

Seq. No.	16447	Seq. ID	OJ990927_04.9B22.C4
Gene No.	34634	Strand	-
Start	16881	End	18652
Name	OJ990927_04.9B22.C4.o3.tm	Method	TBLASTX:Maize
Start	8238	End	8591
GI	none	Score	210
Exons	8238..8351, 8318..8542, 8330..8458, 8337..8591		

Seq. No.	16447	Seq. ID	OJ990927_04.9B22.C4
Gene No.	34634	Strand	-
Start	16881	End	18652
Name	OJ990927_04.9B22.C4.o1.tw	Method	TBLASTX:Wheat
Start	8263	End	8603
GI	none	Score	199

Exons	8263..8340, 8265..8351, 8318..8536, 8330..8458, 8337..8603		
Seq. No.	16447	Seq. ID	OJ990927_04.9B22.C4
Gene No.	34634	Strand	-
Start	16881	End	18652
Name	OJ990927_04.9B22.C4.o2.ts	Method	TBLASTX:Soybean
Start	8274	End	8627
GI	none	Score	414
Exons	8274..8351, 8318..8542, 8337..8627		
Seq. No.	16447	Seq. ID	OJ990927_04.9B22.C4
Gene No.	34634	Strand	-
Start	16881	End	18652
Name	OJ990927_04.9B22.C4.o2.tc	Method	TBLASTX:Cress
Start	8318	End	8594
GI	none	Score	81
Exons	8318..8542, 8333..8458, 8337..8594		
Seq. No.	16447	Seq. ID	OJ990927_04.9B22.C4
Gene No.	34634	Strand	-
Start	16881	End	18652
Name	OJ990927_04.9B22.C4.o1.tm	Method	TBLASTX:Maize
Start	14197	End	15550
GI	none	Score	151
Exons	14197..14322, 14197..14364, 14201..14356, 14305..14895, 14315..14896, 14962..15297, 14963..15298, 15016..15312, 15243..15353, 15343..15549, 15362..15550		
Seq. No.	16447	Seq. ID	OJ990927_04.9B22.C4
Gene No.	34634	Strand	-
Start	16881	End	18652
Name	OJ990927_04.9B22.C4.o1.tc	Method	TBLASTX:Cress
Start	14221	End	15534
GI	none	Score	45
Exons	14221..14499, 14285..14356, 14402..14497, 14518..14898, 14536..14784, 14555..14899, 14965..15198, 14966..15202, 15211..15294, 15427..15534		
Seq. No.	16447	Seq. ID	OJ990927_04.9B22.C4
Gene No.	34634	Strand	-
Start	16881	End	18652
Name	OJ990927_04.9B22.C4.o1.ts	Method	TBLASTX:Soybean
Start	14251	End	15525
GI	none	Score	84
Exons	14251..14508, 14252..14425, 14530..14898, 14600..14899, 14957..15244, 14962..15249, 15232..15294, 15454..15525		
Seq. No.	16447	Seq. ID	OJ990927_04.9B22.C4
Gene No.	34634	Strand	-
Start	16881	End	18652
Name	OJ990927_04.9B22.C4.o2.tw	Method	TBLASTX:Wheat
Start	14428	End	14866
GI	none	Score	54
Exons	14428..14499, 14431..14508, 14453..14503, 14530..14787, 14530..14862, 14555..14866		
Seq. No.	16447	Seq. ID	OJ990927_04.9B22.C4

Gene No.	34634	Strand	-
Start	16881	End	18652
Name	OJ990927_04.9B22.C4.o4.tm	Method	TBLASTX:Maize
Start	15550	End	16111
GI	none	Score	241
Exons	15550..15849, 15641..15847, 15964..16110, 15965..16111		

Seq. No.	16447	Seq. ID	OJ990927_04.9B22.C4
Gene No.	34634	Strand	-
Start	16881	End	18652
Name	OJ990927_04.9B22.C4.o7.gs	Method	GENSCAN
Start	16881	End	18652
GI	none	Score	.72
Exons	16881..16901, 17136..17245, 17337..17439, 18498..18652		

Seq. No.	16448	Seq. ID	OJ990927_04.9B22.C5
Gene No.	34635	Strand	+
Start	1	End	549
Name	OJ990927_04.9B22.C5.o1.gp	Method	AAT/GAP
Start	1	End	439
GI	none	Score	608
Exons	1..260, 372..439		

Seq. No.	16448	Seq. ID	OJ990927_04.9B22.C5
Gene No.	34635	Strand	+
Start	1	End	549
Name	OJ990927_04.9B22.C5.o1.gs	Method	GENSCAN
Start	11	End	549
GI	none	Score	.9
Exons	11..22, 46..260, 372..549		

Seq. No.	16448	Seq. ID	OJ990927_04.9B22.C5
Gene No.	34636	Strand	+
Start	3010	End	3630
Name	OJ990927_04.9B22.C5.o2.gs	Method	GENSCAN
Start	3010	End	3630
GI	none	Score	.79
Exons	3010..3414, 3550..3630		

Seq. No.	16448	Seq. ID	OJ990927_04.9B22.C5
Gene No.	34637	Strand	-
Start	1385	End	1465
Name	OJ990927_04.9B22.C5.o2.gp	Method	AAT/GAP
Start	1385	End	1465
GI	38012_1.R1084	Score	101
Exons	1385..1465		
GI Descrip.	'4097947/gb\|U72255\|OSU72255 2.0e-23 Oryza sativa beta-1,3-glucanase precursor (Gns9) gene, complete cds'		

Seq. No.	16448	Seq. ID	OJ990927_04.9B22.C5
Gene No.	34638	Strand	-
Start	4581	End	4827
Name	OJ990927_04.9B22.C5.o1.tw	Method	TBLASTX:Wheat
Start	186	End	549
GI	none	Score	86
Exons	186..260, 190..255, 195..260, 196..261, 209..262, 366..461, 366..461, 370..528, 475..549		

Seq. No.	16448	Seq. ID	OJ990927_04.9B22.C5
Gene No.	34638	Strand	-
Start	4581	End	4827
Name	OJ990927_04.9B22.C5.o3.gs	Method	GENSCAN
Start	4581	End	4827
GI	none	Score	.43
Exons	4581..4585, 4683..4827		

Seq. No.	16449	Seq. ID	OJ990927_04.9B22.C6
Gene No.	34639	Strand	+
Start	1	End	2648
Name	OJ990927_04.9B22.C6.o1.np	Method	AAT/NAP
Start	1	End	2648
GI	6730768	Score	744
Exons	1..127, 631..686, 808..912, 1001..1111, 1461..1598, 1790..1864, 1980..2100, 2165..2319, 2574..2648		
GI Descrip.	(AC016529) putative alanine aminotransferase [Arabidopsis thaliana]		

Seq. No.	16449	Seq. ID	OJ990927_04.9B22.C6
Gene No.	34639	Strand	+
Start	1	End	2648
Name	OJ990927_04.9B22.C6.o1.tm	Method	TBLASTX:Maize
Start	43	End	2324
GI	none	Score	74
Exons	43..123, 615..686, 793..906, 804..905, 804..914, 805..936, 1001..1114, 1001..1105, 1006..1122, 1006..1113, 1460..1600, 1461..1601, 1804..1866, 1805..1870, 1972..2094, 1977..2102, 1977..2093, 1979..2101, 2162..2320, 2163..2324, 2164..2313, 2199..2321		

Seq. No.	16449	Seq. ID	OJ990927_04.9B22.C6
Gene No.	34639	Strand	+
Start	1	End	2648
Name	OJ990927_04.9B22.C6.o1.ts	Method	TBLASTX:Soybean
Start	43	End	2093
GI	none	Score	77
Exons	43..135, 615..686, 622..687, 624..695, 793..903, 804..905, 804..914, 805..915, 1001..1114, 1006..1104, 1460..1600, 1461..1601, 1805..1870, 1813..1866, 1977..2093, 1979..2092		

Seq. No.	16449	Seq. ID	OJ990927_04.9B22.C6
Gene No.	34639	Strand	+
Start	1	End	2648
Name	OJ990927_04.9B22.C6.o1.gs	Method	GENSCAN
Start	576	End	2328
GI	none	Score	.82
Exons	576..686, 1001..1111, 1461..1598, 1901..1939, 1980..2100, 2165..2328		

Seq. No.	16449	Seq. ID	OJ990927_04.9B22.C6
Gene No.	34639	Strand	+
Start	1	End	2648
Name	OJ990927_04.9B22.C6.o1.tc	Method	TBLASTX:Cress
Start	615	End	1870
GI	none	Score	65

Exons	615..686, 787..906, 805..936, 807..914, 1001..1114, 1006..1122, 1006..1137, 1460..1606, 1461..1601, 1789..1869, 1805..1870		
Seq. No.	16449	Seq. ID	OJ990927_04.9B22.C6
Gene No.	34639	Strand	+
Start	1	End	2648
Name	OJ990927_04.9B22.C6.o1.tw	Method	TBLASTX:Wheat
Start	615	End	1057
GI	none	Score	61
Exons	615..686, 787..906, 805..936, 807..914, 1001..1057, 1004..1057		
Seq. No.	16449	Seq. ID	OJ990927_04.9B22.C6
Gene No.	34639	Strand	+
Start	1	End	2648
Name	OJ990927_04.9B22.C6.o2.tc	Method	TBLASTX:Cress
Start	1977	End	2648
GI	none	Score	132
Exons	1977..2084, 1988..2083, 2163..2189, 2183..2299, 2187..2315, 2197..2313, 2199..2318, 2200..2319, 2576..2647, 2577..2648		
Seq. No.	16450	Seq. ID	OJ990927_04.9B22.C7
Gene No.	34640	Strand	+
Start	1	End	248
Name	OJ990927_04.9B22.C7.o1.np	Method	AAT/NAP
Start	1	End	178
GI	461498	Score	103
Exons	1..178		
GI Descrip.	ALANINE AMINOTRANSFERASE 2 (GPT) (GLUTAMIC--PYRUVIC TRANSAMINASE 2) (GLUTAMIC--ALANINE TRANSAMINASE 2) (ALAAT-2) gi\|320619\|pir\|\|S28429 alanine transaminase (EC 2.6.1.2) - proso millet gi\|296204\|emb\|CAA49199\| (X69421) alanine aminotransferase [Panicum miliaceum]		
Seq. No.	16450	Seq. ID	OJ990927_04.9B22.C7
Gene No.	34640	Strand	+
Start	1	End	248
Name	OJ990927_04.9B22.C7.o1.gs	Method	GENSCAN
Start	65	End	248
GI	none	Score	.53
Exons	65..248		
Seq. No.	16450	Seq. ID	OJ990927_04.9B22.C7
Gene No.	34641	Strand	-
Start	1032	End	1754
Name	OJ990927_04.9B22.C7.o1.gp	Method	AAT/GAP
Start	1032	End	1712
GI	none	Score	898
Exons	1032..1365, 1444..1534, 1632..1712		
Seq. No.	16450	Seq. ID	OJ990927_04.9B22.C7
Gene No.	34641	Strand	-
Start	1032	End	1754
Name	OJ990927_04.9B22.C7.o2.gp	Method	AAT/GAP
Start	1129	End	1754
GI	none	Score	757
Exons	1129..1365, 1444..1534, 1632..1754		

Seq. No.	16450	Seq. ID	OJ990927_04.9B22.C7
Gene No.	34641	Strand	-
Start	1032	End	1754
Name	OJ990927_04.9B22.C7.o1.tm	Method	TBLASTX:Maize
Start	1210	End	1732
GI	none	Score	98
Exons	1210..1344, 1214..1372, 1216..1374, 1442..1537, 1444..1536, 1633..1731, 1633..1722, 1634..1732		

Seq. No.	16450	Seq. ID	OJ990927_04.9B22.C7
Gene No.	34641	Strand	-
Start	1032	End	1754
Name	OJ990927_04.9B22.C7.o1.ts	Method	TBLASTX:Soybean
Start	1267	End	1732
GI	none	Score	58
Exons	1267..1290, 1297..1371, 1298..1360, 1442..1537, 1444..1536, 1472..1537, 1632..1730, 1634..1732, 1634..1732		

Seq. No.	16451	Seq. ID	OJ990927_04.9B22.C8
Gene No.	34642	Strand	+
Start	771	End	6448
Name	OJ990927_04.9B22.C8.o1.gs	Method	GENSCAN
Start	771	End	6448
GI	none	Score	.52
Exons	771..850, 3129..3249, 3503..3648, 5114..5342, 5646..5726, 6377..6448		

Seq. No.	16451	Seq. ID	OJ990927_04.9B22.C8
Gene No.	34643	Strand	+
Start	11136	End	14041
Name	OJ990927_04.9B22.C8.o4.gs	Method	GENSCAN
Start	11136	End	14041
GI	none	Score	.51
Exons	11136..11280, 11792..11878, 13416..14041		

Seq. No.	16451	Seq. ID	OJ990927_04.9B22.C8
Gene No.	34644	Strand	+
Start	14603	End	17024
Name	OJ990927_04.9B22.C8.o5.gs	Method	GENSCAN
Start	14603	End	17024
GI	none	Score	.52
Exons	14603..14808, 16988..17024		

Seq. No.	16451	Seq. ID	OJ990927_04.9B22.C8
Gene No.	34645	Strand	+
Start	22595	End	26015
Name	OJ990927_04.9B22.C8.o2.gp	Method	AAT/GAP
Start	22595	End	24597
GI	none	Score	1308
Exons	22595..22930, 23989..24202, 24464..24597		

Seq. No.	16451	Seq. ID	OJ990927_04.9B22.C8
Gene No.	34645	Strand	+
Start	22595	End	26015
Name	OJ990927_04.9B22.C8.o2.np	Method	AAT/NAP
Start	23423	End	25660
GI	6523065	Score	89

Exons	23423..23461, 25269..25475, 25586..25660		
GI Descrip.	(AL133314) putative protein [Arabidopsis thaliana]		
Seq. No.	16451	Seq. ID	OJ990927_04.9B22.C8
Gene No.	34645	Strand	+
Start	22595	End	26015
Name	OJ990927_04.9B22.C8.o7.gs	Method	GENSCAN
Start	23989	End	26015
GI	none	Score	.74
Exons	23989..24202, 24464..24708, 25269..25475, 25586..25712, 25975..26015		
Seq. No.	16451	Seq. ID	OJ990927_04.9B22.C8
Gene No.	34645	Strand	+
Start	22595	End	26015
Name	OJ990927_04.9B22.C8.o3.gp	Method	AAT/GAP
Start	25295	End	25948
GI	47459_1.R1084	Score	1022
Exons	25295..25475, 25586..25948		
GI Descrip.	'4651204/dbj\|BAA77204.1\| 9.0e-18 (AB026262) ring finger protein [Cicer arietinum]'		
Seq. No.	16451	Seq. ID	OJ990927_04.9B22.C8
Gene No.	34646	Strand	-
Start	8226	End	11023
Name	OJ990927_04.9B22.C8.o1.gp	Method	AAT/GAP
Start	7799	End	11023
GI	168_2.R1084	Score	3103
Exons	7799..8080, 8180..9088, 10602..11023		
GI Descrip.	'3264767 8.0e-37 (AF071893) AP2 domain containing protein [Prunus armeniaca]'		
Seq. No.	16451	Seq. ID	OJ990927_04.9B22.C8
Gene No.	34646	Strand	-
Start	8226	End	11023
Name	OJ990927_04.9B22.C8.o2.gs	Method	GENSCAN
Start	8226	End	9083
GI	none	Score	.95
Exons	8226..9083		
Seq. No.	16451	Seq. ID	OJ990927_04.9B22.C8
Gene No.	34646	Strand	-
Start	8226	End	11023
Name	OJ990927_04.9B22.C8.o1.np	Method	AAT/NAP
Start	8232	End	10929
GI	6689918	Score	544
Exons	8232..8423, 8454..9099, 10646..10929		
GI Descrip.	(AF193803) transcription factor EREBP1 [Oryza sativa]		
Seq. No.	16451	Seq. ID	OJ990927_04.9B22.C8
Gene No.	34646	Strand	-
Start	8226	End	11023
Name	OJ990927_04.9B22.C8.o2.tm	Method	TBLASTX:Maize
Start	8530	End	9105
GI	none	Score	83
Exons	8530..8637, 8533..8658, 8781..9101, 8785..9105		

Seq. No.	16451	Seq. ID	OJ990927_04.9B22.C8
Gene No.	34646	Strand	-
Start	8226	End	11023
Name	OJ990927_04.9B22.C8.o2.ts	Method	TBLASTX:Soybean
Start	8823	End	9078
GI	none	Score	216
Exons	8823..9077, 8824..9078		

Seq. No.	16451	Seq. ID	OJ990927_04.9B22.C8
Gene No.	34646	Strand	-
Start	8226	End	11023
Name	OJ990927_04.9B22.C8.o2.tw	Method	TBLASTX:Wheat
Start	8823	End	9011
GI	none	Score	112
Exons	8823..9011, 8824..9006		

Seq. No.	16451	Seq. ID	OJ990927_04.9B22.C8
Gene No.	34646	Strand	-
Start	8226	End	11023
Name	OJ990927_04.9B22.C8.o1.tc	Method	TBLASTX:Cress
Start	8835	End	10935
GI	none	Score	180
Exons	8835..9071, 8836..9075, 10792..10839, 10891..10935		

Seq. No.	16451	Seq. ID	OJ990927_04.9B22.C8
Gene No.	34646	Strand	-
Start	8226	End	11023
Name	OJ990927_04.9B22.C8.o3.gs	Method	GENSCAN
Start	10367	End	10929
GI	none	Score	.92
Exons	10367..10551, 10602..10929		

Seq. No.	16451	Seq. ID	OJ990927_04.9B22.C8
Gene No.	34647	Strand	
Start	22784	End	24600
Name	OJ990927_04.9B22.C8.o3.ts	Method	TBLASTX:Soybean
Start	22784	End	24600
GI	none	Score	62
Exons	22784..22924, 23991..24149, 23992..24171, 24004..24171, 24472..24600, 24474..24542		

Seq. No.	16451	Seq. ID	OJ990927_04.9B22.C8
Gene No.	34647	Strand	
Start	22784	End	24600
Name	OJ990927_04.9B22.C8.o3.tm	Method	TBLASTX:Maize
Start	23972	End	24180
GI	none	Score	163
Exons	23972..24175, 23985..24134, 23986..24180		

Seq. No.	16451	Seq. ID	OJ990927_04.9B22.C8
Gene No.	34648	Strand	
Start	24550	End	25750
Name	OJ990927_04.9B22.C8.o1.tm	Method	TBLASTX:Maize
Start	24550	End	25720
GI	none	Score	58
Exons	24550..24600, 24557..24598, 24586..24633, 24637..24708, 24637..24708, 25286..25477, 25287..25475, 25289..25495,		

25582..25644, 25585..25719, 25586..25720

Seq. No.	16451	Seq. ID	OJ990927_04.9B22.C8
Gene No.	34648	Strand	
Start	24550	End	25750
Name	OJ990927_04.9B22.C8.o1.ts	Method	TBLASTX:Soybean
Start	25276	End	25735
GI	none	Score	41
Exons	25276..25326, 25283..25477, 25284..25475, 25342..25476, 25343..25477, 25585..25731, 25586..25735		

Seq. No.	16451	Seq. ID	OJ990927_04.9B22.C8
Gene No.	34648	Strand	
Start	24550	End	25750
Name	OJ990927_04.9B22.C8.o2.tc	Method	TBLASTX:Cress
Start	25395	End	25741
GI	none	Score	139
Exons	25395..25475, 25412..25495, 25585..25740, 25586..25741		

Seq. No.	16451	Seq. ID	OJ990927_04.9B22.C8
Gene No.	34648	Strand	
Start	24550	End	25750
Name	OJ990927_04.9B22.C8.o1.tw	Method	TBLASTX:Wheat
Start	25458	End	25750
GI	none	Score	40
Exons	25458..25475, 25582..25644, 25585..25734, 25586..25735, 25629..25736, 25700..25750		

Seq. No.	16452	Seq. ID	OJ990927_04.9B22.C9
Gene No.	34649	Strand	+
Start	1554	End	5118
Name	OJ990927_04.9B22.C9.o1.tm	Method	TBLASTX:Maize
Start	1551	End	2830
GI	none	Score	125
Exons	1551..1631, 1553..1639, 1554..1640, 1637..1717, 1638..1718, 1730..1789, 1786..1983, 1793..1996, 1794..1997, 2245..2310, 2258..2311, 2261..2311, 2262..2312, 2630..2728, 2631..2729, 2639..2728, 2641..2730, 2792..2830, 2802..2828, 2804..2830		

Seq. No.	16452	Seq. ID	OJ990927_04.9B22.C9
Gene No.	34649	Strand	+
Start	1554	End	5118
Name	OJ990927_04.9B22.C9.o1.gs	Method	GENSCAN
Start	1554	End	4673
GI	none	Score	.78
Exons	1554..1715, 1803..1994, 2258..2311, 2930..3058, 3900..3931, 4289..4424, 4503..4673		

Seq. No.	16452	Seq. ID	OJ990927_04.9B22.C9
Gene No.	34649	Strand	+
Start	1554	End	5118
Name	OJ990927_04.9B22.C9.o1.gp	Method	AAT/GAP
Start	1618	End	2677
GI	none	Score	615
Exons	1618..1715, 1803..1994, 2258..2312, 2642..2677		

Seq. No.	16452	Seq. ID	OJ990927_04.9B22.C9

Gene No.	34649	Strand	+
Start	1554	End	5118
Name	OJ990927_04.9B22.C9.o2.tm	Method	TBLASTX:Maize
Start	2831	End	3055
GI	none	Score	328
Exons	2831..3055, 2831..3052		

Seq. No.	16452	Seq. ID	OJ990927_04.9B22.C9
Gene No.	34649	Strand	+
Start	1554	End	5118
Name	OJ990927_04.9B22.C9.o2.gp	Method	AAT/GAP
Start	4291	End	5118
GI	none	Score	746
Exons	4291..4424, 4503..4673, 4984..5118		

Seq. No.	16452	Seq. ID	OJ990927_04.9B22.C9
Gene No.	34649	Strand	+
Start	1554	End	5118
Name	OJ990927_04.9B22.C9.o3.tm	Method	TBLASTX:Maize
Start	4503	End	5114
GI	none	Score	249
Exons	4503..4676, 4505..4681, 4557..4682, 4966..5106, 4983..5114, 4984..5106		

Seq. No.	16453	Seq. ID	OJ990927_04.9B22.C10
Gene No.	34650	Strand	+
Start	1	End	2436
Name	OJ990927_04.9B22.C10.o1.np	Method	AAT/NAP
Start	1	End	2275
GI	6466937	Score	1452
Exons	1..2275		
GI Descrip.	(AC011621) putative retroelement pol polyprotein [Arabidopsis thaliana]		

Seq. No.	16453	Seq. ID	OJ990927_04.9B22.C10
Gene No.	34650	Strand	+
Start	1	End	2436
Name	OJ990927_04.9B22.C10.o4.tm	Method	TBLASTX:Maize
Start	3	End	188
GI	none	Score	219
Exons	3..188, 14..181, 18..185		

Seq. No.	16453	Seq. ID	OJ990927_04.9B22.C10
Gene No.	34650	Strand	+
Start	1	End	2436
Name	OJ990927_04.9B22.C10.o3.tw	Method	TBLASTX:Wheat
Start	5	End	359
GI	none	Score	290
Exons	5..325, 6..359		

Seq. No.	16453	Seq. ID	OJ990927_04.9B22.C10
Gene No.	34650	Strand	+
Start	1	End	2436
Name	OJ990927_04.9B22.C10.o2.ts	Method	TBLASTX:Soybean
Start	12	End	395
GI	none	Score	226
Exons	12..395		

Seq. No.	16453	Seq. ID	OJ990927_04.9B22.C10
Gene No.	34650	Strand	+
Start	1	End	2436
Name	OJ990927_04.9B22.C10.o2.tm	Method	TBLASTX:Maize
Start	192	End	802
GI	none	Score	288
Exons	192..431, 194..430, 412..681, 414..683, 692..802		

Seq. No.	16453	Seq. ID	OJ990927_04.9B22.C10
Gene No.	34650	Strand	+
Start	1	End	2436
Name	OJ990927_04.9B22.C10.o1.tw	Method	TBLASTX:Wheat
Start	698	End	1090
GI	none	Score	348
Exons	698..1090, 802..993, 833..1054		

Seq. No.	16453	Seq. ID	OJ990927_04.9B22.C10
Gene No.	34650	Strand	+
Start	1	End	2436
Name	OJ990927_04.9B22.C10.o1.tm	Method	TBLASTX:Maize
Start	926	End	1561
GI	none	Score	763
Exons	926..1561, 932..1546, 1012..1560		

Seq. No.	16453	Seq. ID	OJ990927_04.9B22.C10
Gene No.	34650	Strand	+
Start	1	End	2436
Name	OJ990927_04.9B22.C10.o1.ts	Method	TBLASTX:Soybean
Start	962	End	1333
GI	none	Score	347
Exons	962..1333, 1093..1332		

Seq. No.	16453	Seq. ID	OJ990927_04.9B22.C10
Gene No.	34650	Strand	+
Start	1	End	2436
Name	OJ990927_04.9B22.C10.o4.tw	Method	TBLASTX:Wheat
Start	1181	End	1561
GI	none	Score	275
Exons	1181..1561, 1273..1335, 1372..1512		

Seq. No.	16453	Seq. ID	OJ990927_04.9B22.C10
Gene No.	34650	Strand	+
Start	1	End	2436
Name	OJ990927_04.9B22.C10.o3.tm	Method	TBLASTX:Maize
Start	1565	End	2302
GI	none	Score	35
Exons	1565..1588, 1594..1968, 1595..1978, 1979..2191, 2023..2172, 2243..2296, 2273..2302		

Seq. No.	16453	Seq. ID	OJ990927_04.9B22.C10
Gene No.	34650	Strand	+
Start	1	End	2436
Name	OJ990927_04.9B22.C10.o2.tw	Method	TBLASTX:Wheat
Start	1631	End	1933
GI	none	Score	335
Exons	1631..1933, 1661..1921, 1663..1932		

Seq. No.	16453	Seq. ID	OJ990927_04.9B22.C10
Gene No.	34650	Strand	+
Start	1	End	2436
Name	OJ990927_04.9B22.C10.o1.gp	Method	AAT/GAP
Start	2164	End	2436
GI	32447_1.R1084	Score	503
Exons	2164..2436		
GI Descrip.	'4587550/gb\|AAD25781.1\|AC006577_17 6.0e-11 (AC006577) EST gb_R64848 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	16454	Seq. ID	OJ990927_04.9B22.C11
Gene No.	34651	Strand	+
Start	2	End	461
Name	OJ990927_04.9B22.C11.o1.gs	Method	GENSCAN
Start	2	End	461
GI	none	Score	.94
Exons	2..209, 406..461		

Seq. No.	16454	Seq. ID	OJ990927_04.9B22.C11
Gene No.	34652	Strand	-
Start	1875	End	2039
Name	OJ990927_04.9B22.C11.o2.gs	Method	GENSCAN
Start	1875	End	2039
GI	none	Score	.44
Exons	1875..2039		

Seq. No.	16455	Seq. ID	OJ990927_04.9B22.C12
Gene No.	34653	Strand	+
Start	5033	End	10853
Name	OJ990927_04.9B22.C12.o1.np	Method	AAT/NAP
Start	5033	End	9814
GI	4680186	Score	400
Exons	5033..5092, 7154..7313, 7915..8086, 9798..9814		
GI Descrip.	(AF111709) unknown [Oryza sativa subsp. indica]		

Seq. No.	16455	Seq. ID	OJ990927_04.9B22.C12
Gene No.	34653	Strand	+
Start	5033	End	10853
Name	OJ990927_04.9B22.C12.o2.np	Method	AAT/NAP
Start	9018	End	10853
GI	6907086	Score	462
Exons	9018..9682, 10092..10853		
GI Descrip.	(AP001129) hypothetical protein [Oryza sativa]		

Seq. No.	16455	Seq. ID	OJ990927_04.9B22.C12
Gene No.	34654	Strand	-
Start	459	End	2736
Name	OJ990927_04.9B22.C12.o1.gs	Method	GENSCAN
Start	459	End	2574
GI	none	Score	.6
Exons	459..1492, 1515..1609, 1965..2105, 2266..2453, 2544..2574		

Seq. No.	16455	Seq. ID	OJ990927_04.9B22.C12
Gene No.	34654	Strand	-
Start	459	End	2736
Name	OJ990927_04.9B22.C12.o1.gp	Method	AAT/GAP

Start	1804	End	2736
GI	32447_1.R1084	Score	1336
Exons	1804..2107, 2258..2453, 2544..2736		
GI Descrip.	'4587550/gb\|AAD25781.1\|AC006577_17 6.0e-11 (AC006577) EST gb_R64848 comes from this gene. [Arabidopsis thaliana]'		

Seq. No.	16455	Seq. ID	OJ990927_04.9B22.C12
Gene No.	34655	Strand	-
Start	4574	End	5048
Name	OJ990927_04.9B22.C12.o3.gs	Method	GENSCAN
Start	4574	End	5048
GI	none	Score	.94
Exons	4574..4970, 4987..5048		

Seq. No.	16455	Seq. ID	OJ990927_04.9B22.C12
Gene No.	34656	Strand	-
Start	6333	End	13299
Name	OJ990927_04.9B22.C12.o1.tm	Method	TBLASTX:Maize
Start	79	End	519
GI	none	Score	114
Exons	79..324, 397..519		

Seq. No.	16455	Seq. ID	OJ990927_04.9B22.C12
Gene No.	34656	Strand	-
Start	6333	End	13299
Name	OJ990927_04.9B22.C12.o4.gs	Method	GENSCAN
Start	6333	End	13299
GI	none	Score	.73
Exons	6333..6492, 7140..7234, 7931..7989, 8342..8485, 9145..9338, 9420..9745, 9918..10062, 10116..10244, 11559..12337, 12967..13225, 13230..13299		

Seq. No.	16455	Seq. ID	OJ990927_04.9B22.C12
Gene No.	34656	Strand	-
Start	6333	End	13299
Name	OJ990927_04.9B22.C12.o2.gp	Method	AAT/GAP
Start	7461	End	7886
GI	4878407	Score	655
Exons	7461..7886		
GI Descrip.	6069643/dbj\|AP000616.1\|AP000616 1.0e-152 Oryza sativa genomic DNA, chromosome 6, clone:P0514G12		

Seq. No.	16456	Seq. ID	OJ990927_04.9B22.C13
Gene No.	34657	Strand	-
Start	1161	End	3010
Name	OJ990927_04.9B22.C13.o1.gs	Method	GENSCAN
Start	1161	End	3010
GI	none	Score	.85
Exons	1161..1324, 1654..1729, 1928..1991, 2802..3010		

Seq. No.	16457	Seq. ID	OJ990927_04.9B22.C14
Gene No.	34658	Strand	-
Start	61	End	1244
Name	OJ990927_04.9B22.C14.o1.gs	Method	GENSCAN
Start	61	End	1244
GI	none	Score	.82
Exons	61..611, 679..1244		

Seq. No.	16457	Seq. ID	OJ990927_04.9B22.C14
Gene No.	34659	Strand	-
Start	1937	End	3678
Name	OJ990927_04.9B22.C14.o2.gs	Method	GENSCAN
Start	1937	End	3678
GI	none	Score	.54
Exons	1937..1946, 2083..2216, 2674..2765, 2809..2903, 3653..3678		

Seq. No.	16458	Seq. ID	OJ990927_04.9B22.C15
Gene No.	34660	Strand	+
Start	1	End	445
Name	OJ990927_04.9B22.C15.o1.np	Method	AAT/NAP
Start	1	End	445
GI	5852084	Score	88
Exons	1..56, 350..445		
GI Descrip.	(AL117264) zwh0007.1 [Oryza sativa]		

Seq. No.	16458	Seq. ID	OJ990927_04.9B22.C15
Gene No.	34660	Strand	+
Start	1	End	445
Name	OJ990927_04.9B22.C15.o1.gs	Method	GENSCAN
Start	308	End	344
GI	none	Score	.64
Exons	308..344		

Seq. No.	16459	Seq. ID	OJ990927_02.9B22.C1
Gene No.	34661	Strand	+
Start	282	End	4050
Name	OJ990927_02.9B22.C1.o1.gs	Method	GENSCAN
Start	282	End	4050
GI	none	Score	.56
Exons	282..596, 1368..1678, 1940..2345, 3848..4050		

Seq. No.	16459	Seq. ID	OJ990927_02.9B22.C1
Gene No.	34661	Strand	+
Start	282	End	4050
Name	OJ990927_02.9B22.C1.o1.gp	Method	AAT/GAP
Start	1297	End	1790
GI	none	Score	972
Exons	1297..1790		

Seq. No.	16459	Seq. ID	OJ990927_02.9B22.C1
Gene No.	34662	Strand	+
Start	7121	End	16995
Name	OJ990927_02.9B22.C1.o1.np	Method	AAT/NAP
Start	7121	End	11501
GI	6606266	Score	916
Exons	7121..7159, 8328..10986, 11029..11501		
GI Descrip.	(AF158634) Vrga1 [Triticum ventricosum]		

Seq. No.	16459	Seq. ID	OJ990927_02.9B22.C1
Gene No.	34662	Strand	+
Start	7121	End	16995
Name	OJ990927_02.9B22.C1.o4.gs	Method	GENSCAN
Start	8100	End	16995
GI	none	Score	.46

Exons	8100..8735, 8864..9013, 9605..9779, 10176..10454, 10554..11522, 11636..11741, 12977..13181, 14029..14298, 14325..14787, 15001..15217, 16176..16358, 16452..16581, 16849..16995		
Seq. No.	16459	Seq. ID	OJ990927_02.9B22.C1
Gene No.	34662	Strand	+
Start	7121	End	16995
Name	OJ990927_02.9B22.C1.o3.np	Method	AAT/NAP
Start	12433	End	14715
GI	2980770	Score	205
Exons	12433..12472, 14147..14715		
GI Descrip.	(AL022198) putative protein kinase [Arabidopsis thaliana]		
Seq. No.	16459	Seq. ID	OJ990927_02.9B22.C1
Gene No.	34663	Strand	+
Start	17211	End	35860
Name	OJ990927_02.9B22.C1.o6.np	Method	AAT/NAP
Start	17211	End	35821
GI	282881	Score	912
Exons	17211..17283, 33366..34042, 34074..35488, 35531..35821		
GI Descrip.	receptor-like protein kinase precursor - Arabidopsis thaliana gi\|166846 (M84658) receptor-like protein kinase [Arabidopsis thaliana]		
Seq. No.	16459	Seq. ID	OJ990927_02.9B22.C1
Gene No.	34663	Strand	+
Start	17211	End	35860
Name	OJ990927_02.9B22.C1.o2.gp	Method	AAT/GAP
Start	18480	End	19048
GI	uC-osflcyp088b12b1	Score	152
Exons	18480..18591, 19027..19048		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		
Seq. No.	16459	Seq. ID	OJ990927_02.9B22.C1
Gene No.	34663	Strand	+
Start	17211	End	35860
Name	OJ990927_02.9B22.C1.o8.gs	Method	GENSCAN
Start	22101	End	26076
GI	none	Score	.5
Exons	22101..22143, 22157..22311, 22973..23087, 23147..23303, 24417..24513, 24641..24739, 24823..24974, 25310..25461, 25940..26076		
Seq. No.	16459	Seq. ID	OJ990927_02.9B22.C1
Gene No.	34663	Strand	+
Start	17211	End	35860
Name	OJ990927_02.9B22.C1.o3.gp	Method	AAT/GAP
Start	23014	End	25900
GI	8545_1.R1084	Score	2022
Exons	23014..23101, 24338..24513, 24641..24739, 24823..24974, 25310..25900		
GI Descrip.	'4982498/gb\|AAD36958.1\|AC000107_4 2.0e-64 (AC000107) F17F8.4 [Arabidopsis thaliana]'		
Seq. No.	16459	Seq. ID	OJ990927_02.9B22.C1
Gene No.	34663	Strand	+

Start	17211	End	35860
Name	OJ990927_02.9B22.C1.o5.np	Method	AAT/NAP
Start	24343	End	25700
GI	4982498	Score	834
Exons	24343..24513, 24641..24739, 24798..24974, 25310..25700		
GI Descrip.	(AC000107) F17F8.4 [Arabidopsis thaliana]		

Seq. No.	16459	Seq. ID	OJ990927_02.9B22.C1
Gene No.	34663	Strand	+
Start	17211	End	35860
Name	OJ990927_02.9B22.C1.o12.gs	Method	GENSCAN
Start	33287	End	35860
GI	none	Score	1
Exons	33287..35860		

Seq. No.	16459	Seq. ID	OJ990927_02.9B22.C1
Gene No.	34664	Strand	+
Start	36287	End	37110
Name	OJ990927_02.9B22.C1.o13.gs	Method	GENSCAN
Start	36287	End	37110
GI	none	Score	.96
Exons	36287..36343, 36721..37110		

Seq. No.	16459	Seq. ID	OJ990927_02.9B22.C1
Gene No.	34665	Strand	-
Start	4968	End	5255
Name	OJ990927_02.9B22.C1.o2.gs	Method	GENSCAN
Start	4968	End	5255
GI	none	Score	.88
Exons	4968..5255		

Seq. No.	16459	Seq. ID	OJ990927_02.9B22.C1
Gene No.	34666	Strand	-
Start	5519	End	7444
Name	OJ990927_02.9B22.C1.o3.gs	Method	GENSCAN
Start	5519	End	7444
GI	none	Score	.53
Exons	5519..5796, 5804..6016, 6104..6305, 6392..6494, 7440..7444		

Seq. No.	16459	Seq. ID	OJ990927_02.9B22.C1
Gene No.	34667	Strand	-
Start	11819	End	20653
Name	OJ990927_02.9B22.C1.o2.np	Method	AAT/NAP
Start	11819	End	17450
GI	6069646	Score	237
Exons	11819..11855, 13049..13612, 17399..17450		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	16459	Seq. ID	OJ990927_02.9B22.C1
Gene No.	34667	Strand	-
Start	11819	End	20653
Name	OJ990927_02.9B22.C1.o4.np	Method	AAT/NAP
Start	16982	End	20385

GI	3377836	Score	168
Exons	16982..17026, 18755..19246, 20332..20385		
GI Descrip.	(AF075598) contains similarity to reverse transcriptases [Arabidopsis thaliana]		

Seq. No.	16459	Seq. ID	OJ990927_02.9B22.C1
Gene No.	34667	Strand	-
Start	11819	End	20653
Name	OJ990927_02.9B22.C1.o5.gs	Method	GENSCAN
Start	18651	End	20075
GI	none	Score	.85
Exons	18651..20075		

Seq. No.	16459	Seq. ID	OJ990927_02.9B22.C1
Gene No.	34667	Strand	-
Start	11819	End	20653
Name	OJ990927_02.9B22.C1.o6.gs	Method	GENSCAN
Start	20282	End	20653
GI	none	Score	.98
Exons	20282..20653		

Seq. No.	16459	Seq. ID	OJ990927_02.9B22.C1
Gene No.	34668	Strand	-
Start	20967	End	21555
Name	OJ990927_02.9B22.C1.o7.gs	Method	GENSCAN
Start	20967	End	21555
GI	none	Score	.79
Exons	20967..21097, 21168..21285, 21538..21555		

Seq. No.	16459	Seq. ID	OJ990927_02.9B22.C1
Gene No.	34669	Strand	-
Start	26514	End	26939
Name	OJ990927_02.9B22.C1.o9.gs	Method	GENSCAN
Start	26514	End	26939
GI	none	Score	.57
Exons	26514..26939		

Seq. No.	16459	Seq. ID	OJ990927_02.9B22.C1
Gene No.	34670	Strand	-
Start	31021	End	31874
Name	OJ990927_02.9B22.C1.o11.gs	Method	GENSCAN
Start	31021	End	31874
GI	none	Score	.89
Exons	31021..31671, 31869..31874		

Seq. No.	16459	Seq. ID	OJ990927_02.9B22.C1
Gene No.	34671	Strand	-
Start	40077	End	40158
Name	OJ990927_02.9B22.C1.o4.ts	Method	TBLASTX:Soybean
Start	194	End	9748
GI	none	Score	141
Exons	194..337, 362..421, 449..565, 9377..9529, 9545..9604, 9632..9748		

Seq. No.	16459	Seq. ID	OJ990927_02.9B22.C1
Gene No.	34671	Strand	-
Start	40077	End	40158
Name	OJ990927_02.9B22.C1.o6.tm	Method	TBLASTX:Maize

Start	1859	End	13051
GI	none	Score	82
Exons	1859..2032, 1862..2029, 1991..2290, 1996..2310, 2087..2311, 11039..11224, 11042..11212, 11111..11344, 11173..11397, 11174..11488, 11174..11467, 12747..13049, 12752..13051, 12754..13050		

Seq. No.	16459	Seq. ID	OJ990927_02.9B22.C1
Gene No.	34671	Strand	-
Start	40077	End	40158
Name	OJ990927_02.9B22.C1.o2.tm	Method	TBLASTX:Maize
Start	8139	End	8941
GI	none	Score	251
Exons	8139..8414, 8141..8287, 8414..8584, 8415..8726, 8637..8714, 8733..8771, 8768..8887, 8906..8941		

Seq. No.	16459	Seq. ID	OJ990927_02.9B22.C1
Gene No.	34671	Strand	-
Start	40077	End	40158
Name	OJ990927_02.9B22.C1.o3.ts	Method	TBLASTX:Soybean
Start	8768	End	9301
GI	none	Score	48
Exons	8768..8812, 8795..9013, 9035..9301		

Seq. No.	16459	Seq. ID	OJ990927_02.9B22.C1
Gene No.	34671	Strand	-
Start	40077	End	40158
Name	OJ990927_02.9B22.C1.o7.tm	Method	TBLASTX:Maize
Start	13056	End	13302
GI	none	Score	79
Exons	13056..13190, 13074..13211, 13188..13262, 13189..13302, 13190..13255		

Seq. No.	16459	Seq. ID	OJ990927_02.9B22.C1
Gene No.	34671	Strand	-
Start	40077	End	40158
Name	OJ990927_02.9B22.C1.o5.tm	Method	TBLASTX:Maize
Start	14154	End	15941
GI	none	Score	80
Exons	14154..14249, 14154..14276, 14164..14274, 14318..14386, 14319..14387, 14463..14573, 14532..14567, 14569..14604, 14593..14670, 14619..14699, 14620..14703, 14640..14699, 14648..14728, 14732..14752, 14764..14805, 15870..15941		

Seq. No.	16459	Seq. ID	OJ990927_02.9B22.C1
Gene No.	34671	Strand	-
Start	40077	End	40158
Name	OJ990927_02.9B22.C1.o3.tm	Method	TBLASTX:Maize
Start	18999	End	19499
GI	none	Score	190
Exons	18999..19298, 19000..19293, 19341..19406, 19425..19499		

Seq. No.	16459	Seq. ID	OJ990927_02.9B22.C1
Gene No.	34671	Strand	-
Start	40077	End	40158
Name	OJ990927_02.9B22.C1.o1.tm	Method	TBLASTX:Maize
Start	24337	End	25723

GI	none	Score	214
Exons	24337..24525, 24337..24357, 24339..24512, 24344..24517, 24632..24739, 24641..24739, 24651..24740, 24820..24975, 24822..24974, 24826..24975, 25271..25609, 25294..25695, 25305..25679, 25308..25709, 25309..25701, 25640..25723		

Seq. No.	16459	Seq. ID	OJ990927_02.9B22.C1
Gene No.	34671	Strand	-
Start	40077	End	40158
Name	OJ990927_02.9B22.C1.o2.tc	Method	TBLASTX:Cress
Start	24370	End	25394
GI	none	Score	146
Exons	24370..24525, 24402..24518, 24428..24526, 24632..24739, 24641..24739, 24820..24975, 24822..24971, 25308..25394, 25310..25375		

Seq. No.	16459	Seq. ID	OJ990927_02.9B22.C1
Gene No.	34671	Strand	-
Start	40077	End	40158
Name	OJ990927_02.9B22.C1.o1.ts	Method	TBLASTX:Soybean
Start	24384	End	25685
GI	none	Score	152
Exons	24384..24518, 24385..24525, 24641..24739, 24650..24739, 24820..24975, 24822..24971, 25308..25643, 25310..25600, 25611..25685		

Seq. No.	16459	Seq. ID	OJ990927_02.9B22.C1
Gene No.	34671	Strand	-
Start	40077	End	40158
Name	OJ990927_02.9B22.C1.o3.tc	Method	TBLASTX:Cress
Start	25430	End	25685
GI	none	Score	185
Exons	25430..25600, 25431..25601, 25611..25685, 25640..25684		

Seq. No.	16459	Seq. ID	OJ990927_02.9B22.C1
Gene No.	34671	Strand	-
Start	40077	End	40158
Name	OJ990927_02.9B22.C1.o1.tc	Method	TBLASTX:Cress
Start	29315	End	35770
GI	none	Score	115
Exons	29315..29455, 29323..29454, 29487..29642, 29516..29626, 29649..29804, 29701..29763, 29839..29892, 29841..29891, 30101..30211, 33368..33454, 33737..33802, 33806..33898, 34247..34378, 34433..34564, 34804..34893, 34907..35128, 34927..35121, 35159..35344, 35187..35285, 35345..35392, 35411..35485, 35540..35770		

Seq. No.	16459	Seq. ID	OJ990927_02.9B22.C1
Gene No.	34671	Strand	-
Start	40077	End	40158
Name	OJ990927_02.9B22.C1.o4.tm	Method	TBLASTX:Maize
Start	29330	End	35389
GI	none	Score	62
Exons	29330..29419, 29368..29412, 29489..29761, 29490..29804, 29516..29719, 29701..29760, 29803..29886, 34858..34899, 34949..35131, 34981..35121, 35159..35389, 35205..35282		

Seq. No.	16459	Seq. ID	OJ990927_02.9B22.C1
Gene No.	34671	Strand	-
Start	40077	End	40158
Name	OJ990927_02.9B22.C1.o2.ts	Method	TBLASTX:Soybean
Start	29478	End	35737
GI	none	Score	169
Exons	29478..29633, 29493..29633, 29516..29647, 29634..29804, 29803..29892, 30101..30163, 34949..35122, 34981..35115, 35159..35389, 35241..35282, 35411..35500, 35624..35737		

Seq. No.	16459	Seq. ID	OJ990927_02.9B22.C1
Gene No.	34671	Strand	-
Start	40077	End	40158
Name	OJ990927_02.9B22.C1.o1.tw	Method	TBLASTX:Wheat
Start	29505	End	35401
GI	none	Score	129
Exons	29505..29687, 29655..29804, 29676..29813, 29803..29886, 34994..35122, 35159..35401		

Seq. No.	16459	Seq. ID	OJ990927_02.9B22.C1
Gene No.	34671	Strand	-
Start	40077	End	40158
Name	OJ990927_02.9B22.C1.o8.tm	Method	TBLASTX:Maize
Start	30101	End	35752
GI	none	Score	106
Exons	30101..30229, 30103..30183, 35402..35536, 35403..35474, 35411..35476, 35546..35752, 35546..35668		

Seq. No.	16459	Seq. ID	OJ990927_02.9B22.C1
Gene No.	34671	Strand	-
Start	40077	End	40158
Name	OJ990927_02.9B22.C1.o7.np	Method	AAT/NAP
Start	40077	End	40158
GI	2760543	Score	50
Exons	40077..40158		
GI Descrip.	(Z97060) L-galactono-1,4-lactone dehydrogenase [Brassica oleracea]		

Seq. No.	16460	Seq. ID	OJ990927_02.9B22.C2
Gene No.	34672	Strand	+
Start	420	End	9915
Name	OJ990927_02.9B22.C2.o1.gs	Method	GENSCAN
Start	420	End	9915
GI	none	Score	.62
Exons	420..1515, 2606..3210, 3245..4158, 4228..5058, 5091..5468, 5534..5686, 5700..5866, 5888..6492, 6532..7046, 7148..7354, 8230..8313, 9466..9665, 9809..9915		

Seq. No.	16460	Seq. ID	OJ990927_02.9B22.C2
Gene No.	34672	Strand	+
Start	420	End	9915
Name	OJ990927_02.9B22.C2.o1.np	Method	AAT/NAP
Start	2626	End	7418
GI	5295971	Score	7908
Exons	2626..7418		
GI Descrip.	(AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like		

transposon Tnt 1-94.(X13777) [Oryza sativa]

Seq. No.	16460	Seq. ID	OJ990927_02.9B22.C2
Gene No.	34672	Strand	+
Start	420	End	9915
Name	OJ990927_02.9B22.C2.o1.gp	Method	AAT/GAP
Start	4919	End	5264
GI	uC-osflcyp139c12a1	Score	533
Exons	4919..5264		
GI Descrip.	'5295971/dbj\|BAA81872.1\| 3.0e-44 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	16460	Seq. ID	OJ990927_02.9B22.C2
Gene No.	34673	Strand	+
Start	15366	End	15628
Name	OJ990927_02.9B22.C2.o3.gs	Method	GENSCAN
Start	15366	End	15628
GI	none	Score	.7
Exons	15366..15473, 15479..15628		

Seq. No.	16460	Seq. ID	OJ990927_02.9B22.C2
Gene No.	34674	Strand	+
Start	18022	End	21490
Name	OJ990927_02.9B22.C2.o4.np	Method	AAT/NAP
Start	18022	End	21490
GI	2258315	Score	689
Exons	18022..18611, 18639..20136, 20283..20815, 21362..21490		
GI Descrip.	(AF004878) resistance complex protein I2C-1 [Lycopersicon esculentum]		

Seq. No.	16460	Seq. ID	OJ990927_02.9B22.C2
Gene No.	34674	Strand	+
Start	18022	End	21490
Name	OJ990927_02.9B22.C2.o3.np	Method	AAT/NAP
Start	18463	End	20367
GI	2792220	Score	644
Exons	18463..20139, 20281..20367		
GI Descrip.	(AF032688) NBS-LRR type resistance protein [Oryza sativa]		

Seq. No.	16460	Seq. ID	OJ990927_02.9B22.C2
Gene No.	34674	Strand	+
Start	18022	End	21490
Name	OJ990927_02.9B22.C2.o3.gp	Method	AAT/GAP
Start	20186	End	20298
GI	uC-osflcyp082b07a1	Score	169
Exons	20186..20298		
GI Descrip.	'218221/dbj\|D10675\|RICSINE1R6 3.0e-30 Oryza sativa p-SINE1-r6 gene, repeat sequence'		

Seq. No.	16460	Seq. ID	OJ990927_02.9B22.C2
Gene No.	34675	Strand	+
Start	25425	End	26739
Name	OJ990927_02.9B22.C2.o6.np	Method	AAT/NAP
Start	25425	End	26739
GI	2258315	Score	219

Exons	25425..25535, 25819..26648, 26704..26739		
GI Descrip.	(AF004878) resistance complex protein I2C-1 [Lycopersicon esculentum]		

Seq. No.	16460	Seq. ID	OJ990927_02.9B22.C2
Gene No.	34676	Strand	-
Start	6591	End	7044
Name	OJ990927_02.9B22.C2.o2.gp	Method	AAT/GAP
Start	6591	End	7044
GI	36280_1.R1084	Score	841
Exons	6591..7044		
GI Descrip.	'5295971/dbj\|BAA81872.1\| 1.0e-81 (AB026295) EST D24315(R1718) corresponds to a region of the predicted gene.; Similar to Tobacco DNA for retroviral-like transposon Tnt 1-94.(X13777) [Oryza sativa]'		

Seq. No.	16460	Seq. ID	OJ990927_02.9B22.C2
Gene No.	34677	Strand	-
Start	10299	End	26739
Name	OJ990927_02.9B22.C2.o4.tm	Method	TBLASTX:Maize
Start	263	End	26541
GI	none	Score	142
Exons	263..415, 266..418, 420..773, 527..673, 864..983, 999..1037, 18058..18333, 18060..18233, 18121..18303, 18334..18660, 18351..18503, 18646..18807, 18823..18861, 25750..25989, 25750..25989, 26017..26337, 26019..26150, 26019..26339, 26026..26277, 26322..26387, 26322..26483, 26362..26484, 26503..26541		

Seq. No.	16460	Seq. ID	OJ990927_02.9B22.C2
Gene No.	34677	Strand	-
Start	10299	End	26739
Name	OJ990927_02.9B22.C2.o4.ts	Method	TBLASTX:Soybean
Start	864	End	26739
GI	none	Score	44
Exons	864..905, 891..1109, 1131..1400, 1136..1213, 18670..18735, 18715..18933, 18955..19224, 26362..26409, 26413..26481, 26524..26613, 26710..26739		

Seq. No.	16460	Seq. ID	OJ990927_02.9B22.C2
Gene No.	34677	Strand	-
Start	10299	End	26739
Name	OJ990927_02.9B22.C2.o6.ts	Method	TBLASTX:Soybean
Start	1473	End	19668
GI	none	Score	138
Exons	1473..1625, 1641..1703, 1728..1802, 19297..19440, 19480..19524, 19552..19668		

Seq. No.	16460	Seq. ID	OJ990927_02.9B22.C2
Gene No.	34677	Strand	-
Start	10299	End	26739
Name	OJ990927_02.9B22.C2.o8.tm	Method	TBLASTX:Maize
Start	3016	End	3313
GI	none	Score	44
Exons	3016..3051, 3021..3245, 3022..3246, 3057..3254, 3228..3308, 3248..3313, 3257..3313		

Seq. No.	16460	Seq. ID	OJ990927_02.9B22.C2
Gene No.	34677	Strand	-
Start	10299	End	26739
Name	OJ990927_02.9B22.C2.o1.tm	Method	TBLASTX:Maize
Start	3548	End	4267
GI	none	Score	396
Exons	3548..3823, 3563..3820, 3565..3822, 3740..3835, 3805..3837, 3842..4267, 3843..4166, 3902..4267		

Seq. No.	16460	Seq. ID	OJ990927_02.9B22.C2
Gene No.	34677	Strand	-
Start	10299	End	26739
Name	OJ990927_02.9B22.C2.o2.tw	Method	TBLASTX:Wheat
Start	4192	End	4645
GI	none	Score	350
Exons	4192..4497, 4193..4558, 4196..4573, 4553..4645, 4565..4645		

Seq. No.	16460	Seq. ID	OJ990927_02.9B22.C2
Gene No.	34677	Strand	-
Start	10299	End	26739
Name	OJ990927_02.9B22.C2.o7.tm	Method	TBLASTX:Maize
Start	4282	End	4522
GI	none	Score	305
Exons	4282..4521, 4283..4522		

Seq. No.	16460	Seq. ID	OJ990927_02.9B22.C2
Gene No.	34677	Strand	-
Start	10299	End	26739
Name	OJ990927_02.9B22.C2.o5.ts	Method	TBLASTX:Soybean
Start	4583	End	4915
GI	none	Score	209
Exons	4583..4915, 4679..4759		

Seq. No.	16460	Seq. ID	OJ990927_02.9B22.C2
Gene No.	34677	Strand	-
Start	10299	End	26739
Name	OJ990927_02.9B22.C2.o3.tw	Method	TBLASTX:Wheat
Start	4718	End	5259
GI	none	Score	181
Exons	4718..4963, 4984..5172, 5001..5072, 5175..5246, 5179..5259		

Seq. No.	16460	Seq. ID	OJ990927_02.9B22.C2
Gene No.	34677	Strand	-
Start	10299	End	26739
Name	OJ990927_02.9B22.C2.o2.tm	Method	TBLASTX:Maize
Start	4937	End	5337
GI	none	Score	170
Exons	4937..4978, 4943..5305, 4955..5047, 4959..5336, 4959..5336, 4966..5337		

Seq. No.	16460	Seq. ID	OJ990927_02.9B22.C2
Gene No.	34677	Strand	-
Start	10299	End	26739
Name	OJ990927_02.9B22.C2.o2.ts	Method	TBLASTX:Soybean
Start	4959	End	5421
GI	none	Score	308
Exons	4959..5237, 4969..5250, 5275..5421, 5305..5418		

Seq. No.	16460	Seq. ID	OJ990927_02.9B22.C2
Gene No.	34677	Strand	-
Start	10299	End	26739
Name	OJ990927_02.9B22.C2.o2.tc	Method	TBLASTX:Cress
Start	4978	End	5397
GI	none	Score	182
Exons	4978..5253, 5275..5397		

Seq. No.	16460	Seq. ID	OJ990927_02.9B22.C2
Gene No.	34677	Strand	-
Start	10299	End	26739
Name	OJ990927_02.9B22.C2.o1.ts	Method	TBLASTX:Soybean
Start	5869	End	6366
GI	5509260	Score	416
Exons	5869..6366, 5949..6128, 6189..6347		
GI Descrip.	-		

Seq. No.	16460	Seq. ID	OJ990927_02.9B22.C2
Gene No.	34677	Strand	-
Start	10299	End	26739
Name	OJ990927_02.9B22.C2.o6.tm	Method	TBLASTX:Maize
Start	5920	End	6216
GI	none	Score	380
Exons	5920..6216, 5946..6215		

Seq. No.	16460	Seq. ID	OJ990927_02.9B22.C2
Gene No.	34677	Strand	-
Start	10299	End	26739
Name	OJ990927_02.9B22.C2.o3.tc	Method	TBLASTX:Cress
Start	5991	End	6255
GI	none	Score	237
Exons	5991..6134, 5992..6255		

Seq. No.	16460	Seq. ID	OJ990927_02.9B22.C2
Gene No.	34677	Strand	-
Start	10299	End	26739
Name	OJ990927_02.9B22.C2.o1.tw	Method	TBLASTX:Wheat
Start	6036	End	6591
GI	none	Score	310
Exons	6036..6143, 6037..6381, 6190..6357, 6192..6377, 6367..6591		

Seq. No.	16460	Seq. ID	OJ990927_02.9B22.C2
Gene No.	34677	Strand	-
Start	10299	End	26739
Name	OJ990927_02.9B22.C2.o3.tm	Method	TBLASTX:Maize
Start	6418	End	6807
GI	none	Score	599
Exons	6418..6807, 6418..6477, 6420..6737, 6535..6807		

Seq. No.	16460	Seq. ID	OJ990927_02.9B22.C2
Gene No.	34677	Strand	-
Start	10299	End	26739
Name	OJ990927_02.9B22.C2.o4.tw	Method	TBLASTX:Wheat
Start	6592	End	6903
GI	none	Score	64
Exons	6592..6699, 6724..6903		

Seq. No.	16460	Seq. ID	OJ990927_02.9B22.C2
Gene No.	34677	Strand	-
Start	10299	End	26739
Name	OJ990927_02.9B22.C2.o1.tc	Method	TBLASTX:Cress
Start	6724	End	7385
GI	none	Score	257
Exons	6724..7014, 6786..6896, 6918..7013, 7019..7096, 7020..7100, 7167..7385, 7187..7351		

Seq. No.	16460	Seq. ID	OJ990927_02.9B22.C2
Gene No.	34677	Strand	-
Start	10299	End	26739
Name	OJ990927_02.9B22.C2.o3.ts	Method	TBLASTX:Soybean
Start	6745	End	7394
GI	none	Score	147
Exons	6745..6906, 6918..7010, 6919..7011, 7017..7106, 7040..7078, 7161..7394, 7205..7261		

Seq. No.	16460	Seq. ID	OJ990927_02.9B22.C2
Gene No.	34677	Strand	-
Start	10299	End	26739
Name	OJ990927_02.9B22.C2.o10.tm	Method	TBLASTX:Maize
Start	6807	End	6999
GI	none	Score	201
Exons	6807..6989, 6808..6999		

Seq. No.	16460	Seq. ID	OJ990927_02.9B22.C2
Gene No.	34677	Strand	-
Start	10299	End	26739
Name	OJ990927_02.9B22.C2.o5.tm	Method	TBLASTX:Maize
Start	6999	End	7384
GI	none	Score	466
Exons	6999..7382, 7011..7382, 7058..7384, 7184..7384		

Seq. No.	16460	Seq. ID	OJ990927_02.9B22.C2
Gene No.	34677	Strand	-
Start	10299	End	26739
Name	OJ990927_02.9B22.C2.o5.tw	Method	TBLASTX:Wheat
Start	7019	End	7355
GI	none	Score	90
Exons	7019..7096, 7020..7106, 7152..7355, 7161..7343		

Seq. No.	16460	Seq. ID	OJ990927_02.9B22.C2
Gene No.	34677	Strand	-
Start	10299	End	26739
Name	OJ990927_02.9B22.C2.o9.tm	Method	TBLASTX:Maize
Start	9116	End	21567
GI	none	Score	124
Exons	9116..9352, 9182..9367, 9254..9499, 9316..9579, 9317..9631, 9332..9610, 21103..21282, 21249..21563, 21340..21567		

Seq. No.	16460	Seq. ID	OJ990927_02.9B22.C2
Gene No.	34677	Strand	-
Start	10299	End	26739
Name	OJ990927_02.9B22.C2.o2.gs	Method	GENSCAN
Start	10299	End	13359

GI	none	Score	.43
Exons	10299..10316, 11155..11205, 12043..12706, 13024..13207, 13254..13359		

Seq. No.	16461	Seq. ID	OJ990927_02.9B22.C3
Gene No.	34678	Strand	+
Start	1	End	2063
Name	OJ990927_02.9B22.C3.o1.np	Method	AAT/NAP
Start	1	End	2063
GI	5702196	Score	462
Exons	1..802, 872..1388, 2032..2063		
GI Descrip.	(AF107293) rust resistance protein [Zea mays]		

Seq. No.	16461	Seq. ID	OJ990927_02.9B22.C3
Gene No.	34678	Strand	+
Start	1	End	2063
Name	OJ990927_02.9B22.C3.o1.ts	Method	TBLASTX:Soybean
Start	11	End	1179
GI	none	Score	71
Exons	11..136, 112..225, 125..259, 292..369, 388..507, 619..723, 1030..1179		

Seq. No.	16461	Seq. ID	OJ990927_02.9B22.C3
Gene No.	34678	Strand	+
Start	1	End	2063
Name	OJ990927_02.9B22.C3.o1.gs	Method	GENSCAN
Start	284	End	1793
GI	none	Score	.48
Exons	284..469, 1001..1279, 1379..1580, 1616..1793		

Seq. No.	16461	Seq. ID	OJ990927_02.9B22.C3
Gene No.	34678	Strand	+
Start	1	End	2063
Name	OJ990927_02.9B22.C3.o2.np	Method	AAT/NAP
Start	394	End	2063
GI	6721518	Score	259
Exons	394..802, 887..1426, 2037..2063		
GI Descrip.	(AP001072) Similar to NBS-LRR-like protein cD7. (AF098970) [Oryza sativa]		

Seq. No.	16462	Seq. ID	OJ990927_02.9B22.C4
Gene No.	34679	Strand	+
Start	144	End	217
Name	OJ990927_02.9B22.C4.o1.gs	Method	GENSCAN
Start	144	End	217
GI	none	Score	.89
Exons	144..217		

Seq. No.	16463	Seq. ID	OJ990927_02.9B22.C6
Gene No.	34680	Strand	+
Start	7	End	131
Name	OJ990927_02.9B22.C6.o1.gs	Method	GENSCAN
Start	7	End	131
GI	none	Score	.4
Exons	7..131		

Seq. No.	16464	Seq. ID	OJ990927_02.9B22.C7

Gene No.	34681	Strand	
Start	5	End	205
Name	OJ990927_02.9B22.C7.o1.tw	Method	TBLASTX:Wheat
Start	5	End	205
GI	none	Score	211
Exons	5..205, 7..204		

Seq. No.	16465	Seq. ID	OJ990927_02.9B22.C8
Gene No.	34682	Strand	+
Start	266	End	639
Name	OJ990927_02.9B22.C8.o1.np	Method	AAT/NAP
Start	266	End	639
GI	6539588	Score	165
Exons	266..639		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	16466	Seq. ID	OJ990827_04.9B24.C1
Gene No.	34683	Strand	+
Start	1	End	775
Name	OJ990827_04.9B24.C1.o1.np	Method	AAT/NAP
Start	1	End	775
GI	4416302	Score	822
Exons	1..775		
GI Descrip.	(AF105716) copia-type pol polyprotein [Zea mays]		

Seq. No.	16466	Seq. ID	OJ990827_04.9B24.C1
Gene No.	34683	Strand	+
Start	1	End	775
Name	OJ990827_04.9B24.C1.o1.gs	Method	GENSCAN
Start	17	End	775
GI	none	Score	.99
Exons	17..775		

Seq. No.	16466	Seq. ID	OJ990827_04.9B24.C1
Gene No.	34684	Strand	+
Start	2063	End	2520
Name	OJ990827_04.9B24.C1.o1.gp	Method	AAT/GAP
Start	2063	End	2520
GI	4968598	Score	819
Exons	2063..2520		

Seq. No.	16466	Seq. ID	OJ990827_04.9B24.C1
Gene No.	34685	Strand	+
Start	2696	End	4375
Name	OJ990827_04.9B24.C1.o2.np	Method	AAT/NAP
Start	2696	End	4375
GI	6539588	Score	291
Exons	2696..3005, 4346..4375		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	16466	Seq. ID	OJ990827_04.9B24.C1
Gene No.	34686	Strand	+
Start	6447	End	8452
Name	OJ990827_04.9B24.C1.o4.np	Method	AAT/NAP
Start	6447	End	8452
GI	6721512	Score	54
Exons	6447..6508, 8320..8452		

GI Descrip. (AP001072) hypothetical protein [Oryza sativa]

Seq. No.	16466	Seq. ID	OJ990827_04.9B24.C1
Gene No.	34687	Strand	+
Start	9045	End	10072
Name	OJ990827_04.9B24.C1.o3.gs	Method	GENSCAN
Start	9045	End	10072
GI	none	Score	.82
Exons	9045..9107, 9377..9430, 9527..9694, 9923..10072		

Seq. No.	16466	Seq. ID	OJ990827_04.9B24.C1
Gene No.	34687	Strand	+
Start	9045	End	10072
Name	OJ990827_04.9B24.C1.o5.np	Method	AAT/NAP
Start	9522	End	10065
GI	3128168	Score	100
Exons	9522..9694, 9780..9833, 9923..10065		
GI Descrip.	(AC004521) unknown protein [Arabidopsis thaliana]		

Seq. No.	16466	Seq. ID	OJ990827_04.9B24.C1
Gene No.	34688	Strand	-
Start	3465	End	3613
Name	OJ990827_04.9B24.C1.o1.tm	Method	TBLASTX:Maize
Start	98	End	754
GI	none	Score	762
Exons	98..754, 106..753		

Seq. No.	16466	Seq. ID	OJ990827_04.9B24.C1
Gene No.	34688	Strand	-
Start	3465	End	3613
Name	OJ990827_04.9B24.C1.o1.ts	Method	TBLASTX:Soybean
Start	116	End	784
GI	none	Score	302
Exons	116..505, 220..462, 524..784, 538..708		

Seq. No.	16466	Seq. ID	OJ990827_04.9B24.C1
Gene No.	34688	Strand	-
Start	3465	End	3613
Name	OJ990827_04.9B24.C1.o1.tw	Method	TBLASTX:Wheat
Start	254	End	709
GI	none	Score	128
Exons	254..514, 518..709, 533..709		

Seq. No.	16466	Seq. ID	OJ990827_04.9B24.C1
Gene No.	34688	Strand	-
Start	3465	End	3613
Name	OJ990827_04.9B24.C1.o1.tc	Method	TBLASTX:Cress
Start	389	End	754
GI	none	Score	89
Exons	389..520, 542..754		

Seq. No.	16466	Seq. ID	OJ990827_04.9B24.C1
Gene No.	34688	Strand	-
Start	3465	End	3613
Name	OJ990827_04.9B24.C1.o3.np	Method	AAT/NAP
Start	3465	End	3613
GI	3776559	Score	73

Exons	3465..3613
GI Descrip.	(AC005388) Strong similarity to gene F14J9.26 gi\|3482933 cdc2 protein kinase homolog from A. thaliana BAC gb\|AC003970. ESTs gb\|Z35332 and gb\|F19907 come from this gene. [Arabidopsis thaliana]

Seq. No.	16466	Seq. ID	OJ990827_04.9B24.C1
Gene No.	34689	Strand	
Start	5057	End	5422
Name	OJ990827_04.9B24.C1.o2.tm	Method	TBLASTX:Maize
Start	5057	End	5422
GI	none	Score	224
Exons	5057..5422, 5081..5230, 5260..5421		

Seq. No.	16467	Seq. ID	OJ990827_04.9B24.C2
Gene No.	34690	Strand	+
Start	1	End	6849
Name	OJ990827_04.9B24.C2.o3.np	Method	AAT/NAP
Start	1	End	6849
GI	6063554	Score	234
Exons	1..67, 3966..4189, 4299..4483, 4645..4689, 6007..6035, 6675..6849		
GI Descrip.	(AP000615) ESTs AU075609(C63344),C71850(E0464),C98611(E0464). correspond to a region of the predicted gene.; hypothetical protein [Oryza sativa]		

Seq. No.	16467	Seq. ID	OJ990827_04.9B24.C2
Gene No.	34690	Strand	+
Start	1	End	6849
Name	OJ990827_04.9B24.C2.o1.gp	Method	AAT/GAP
Start	3953	End	4197
GI	2312380	Score	470
Exons	3953..4197		

Seq. No.	16467	Seq. ID	OJ990827_04.9B24.C2
Gene No.	34691	Strand	+
Start	6808	End	7209
Name	OJ990827_04.9B24.C2.o2.gp	Method	AAT/GAP
Start	6808	End	7209
GI	3761363	Score	664
Exons	6808..7209		
GI Descrip.	5852170/emb\|AL117265.1\|OST17804 1.0e-151 Oryza sativa indica(GLA4) genomic DNA, chromosome 4, BAC clone:t17804		

Seq. No.	16467	Seq. ID	OJ990827_04.9B24.C2
Gene No.	34692	Strand	-
Start	1	End	4552
Name	OJ990827_04.9B24.C2.o2.np	Method	AAT/NAP
Start	1	End	4552
GI	6069646	Score	450
Exons	1..68, 1068..1638, 4529..4552		
GI Descrip.	(AP000616) similar to putative reverse transcriptase (AC005315) [Oryza sativa] gi\|6907112\|dbj\|BAA90639.1\| (AP001129) Similar to Arabidopsis thaliana chromosome II BAC F9O13 genomic sequence, putative non-LTR retroelement reverse transcriptase. (AC006248) [Oryza sativa]		

Seq. No.	16467	Seq. ID	OJ990827_04.9B24.C2
Gene No.	34692	Strand	-
Start	1	End	4552
Name	OJ990827_04.9B24.C2.o1.tm	Method	TBLASTX:Maize
Start	1181	End	1739
GI	none	Score	82
Exons	1181..1276, 1273..1329, 1324..1575, 1626..1739		

Seq. No.	16468	Seq. ID	OJ990827_04.9B24.C3
Gene No.	34693	Strand	+
Start	384	End	5280
Name	OJ990827_04.9B24.C3.o2.np	Method	AAT/NAP
Start	384	End	5280
GI	5295955	Score	728
Exons	384..405, 2779..2895, 3438..3552, 4234..4364, 4403..5280		
GI Descrip.	(AB026295) Similar to Epstein-Barr virus (EBV) genome.(V01555) [Oryza sativa]		

Seq. No.	16468	Seq. ID	OJ990827_04.9B24.C3
Gene No.	34693	Strand	+
Start	384	End	5280
Name	OJ990827_04.9B24.C3.o2.gs	Method	GENSCAN
Start	4454	End	4777
GI	none	Score	.73
Exons	4454..4777		

Seq. No.	16468	Seq. ID	OJ990827_04.9B24.C3
Gene No.	34694	Strand	+
Start	11375	End	12983
Name	OJ990827_04.9B24.C3.o5.gs	Method	GENSCAN
Start	11375	End	12983
GI	none	Score	.63
Exons	11375..11436, 12153..12347, 12392..12431, 12894..12983		

Seq. No.	16468	Seq. ID	OJ990827_04.9B24.C3
Gene No.	34695	Strand	-
Start	1	End	1822
Name	OJ990827_04.9B24.C3.o1.np	Method	AAT/NAP
Start	1	End	1822
GI	6721517	Score	2305
Exons	1..676, 725..1471, 1551..1705, 1759..1822		
GI Descrip.	(AP001072) Similar to polyprotein. (AF061282) [Oryza sativa]		

Seq. No.	16468	Seq. ID	OJ990827_04.9B24.C3
Gene No.	34696	Strand	-
Start	5895	End	6813
Name	OJ990827_04.9B24.C3.o3.gs	Method	GENSCAN
Start	5895	End	6813
GI	none	Score	.74
Exons	5895..6194, 6196..6478, 6758..6813		

Seq. No.	16468	Seq. ID	OJ990827_04.9B24.C3
Gene No.	34697	Strand	-
Start	7521	End	9358
Name	OJ990827_04.9B24.C3.o1.gp	Method	AAT/GAP
Start	7348	End	7688
GI	5039038	Score	653

Exons	7348..7688		
Seq. No.	16468	Seq. ID	OJ990827_04.9B24.C3
Gene No.	34697	Strand	-
Start	7521	End	9358
Name	OJ990827_04.9B24.C3.o4.gs	Method	GENSCAN
Start	7521	End	9157
GI	none	Score	1
Exons	7521..8026, 8767..9157		
Seq. No.	16468	Seq. ID	OJ990827_04.9B24.C3
Gene No.	34697	Strand	-
Start	7521	End	9358
Name	OJ990827_04.9B24.C3.o3.np	Method	AAT/NAP
Start	7647	End	9358
GI	4103635	Score	845
Exons	7647..8026, 8767..9028, 9056..9358		
GI Descrip.	(AF026538) ABA-responsive protein [Hordeum vulgare]		
Seq. No.	16468	Seq. ID	OJ990827_04.9B24.C3
Gene No.	34698	Strand	-
Start	13983	End	14196
Name	OJ990827_04.9B24.C3.o3.tw	Method	TBLASTX:Wheat
Start	266	End	619
GI	none	Score	83
Exons	266..619, 302..436		
Seq. No.	16468	Seq. ID	OJ990827_04.9B24.C3
Gene No.	34698	Strand	-
Start	13983	End	14196
Name	OJ990827_04.9B24.C3.o2.tm	Method	TBLASTX:Maize
Start	353	End	673
GI	none	Score	208
Exons	353..673		
Seq. No.	16468	Seq. ID	OJ990827_04.9B24.C3
Gene No.	34698	Strand	-
Start	13983	End	14196
Name	OJ990827_04.9B24.C3.o3.tm	Method	TBLASTX:Maize
Start	1013	End	1309
GI	none	Score	108
Exons	1013..1309, 1122..1292		
Seq. No.	16468	Seq. ID	OJ990827_04.9B24.C3
Gene No.	34698	Strand	-
Start	13983	End	14196
Name	OJ990827_04.9B24.C3.o2.tw	Method	TBLASTX:Wheat
Start	1190	End	1549
GI	none	Score	84
Exons	1190..1549, 1191..1424, 1460..1543		
Seq. No.	16468	Seq. ID	OJ990827_04.9B24.C3
Gene No.	34698	Strand	-
Start	13983	End	14196
Name	OJ990827_04.9B24.C3.o1.tc	Method	TBLASTX:Cress
Start	7581	End	7884
GI	none	Score	78

Exons	7581..7772, 7588..7707, 7788..7883, 7792..7884		
Seq. No.	16468	Seq. ID	OJ990827_04.9B24.C3
Gene No.	34698	Strand	-
Start	13983	End	14196
Name	OJ990827_04.9B24.C3.o1.tm	Method	TBLASTX:Maize
Start	7584	End	9137
GI	none	Score	167
Exons	7584..7907, 7585..7707, 7765..7908, 7900..8025, 7914..8033, 8762..8854, 8766..8858, 8768..8851, 8897..9025, 8904..9014, 9123..9137		
Seq. No.	16468	Seq. ID	OJ990827_04.9B24.C3
Gene No.	34698	Strand	-
Start	13983	End	14196
Name	OJ990827_04.9B24.C3.o1.tw	Method	TBLASTX:Wheat
Start	7597	End	8027
GI	none	Score	133
Exons	7597..7905, 7599..7907, 7929..8027, 7930..8016		
Seq. No.	16468	Seq. ID	OJ990827_04.9B24.C3
Gene No.	34698	Strand	-
Start	13983	End	14196
Name	OJ990827_04.9B24.C3.o1.ts	Method	TBLASTX:Soybean
Start	7798	End	9013
GI	none	Score	102
Exons	7798..7905, 7800..7907, 7923..8027, 7924..8022, 8768..8851, 8948..9013		
Seq. No.	16468	Seq. ID	OJ990827_04.9B24.C3
Gene No.	34698	Strand	-
Start	13983	End	14196
Name	OJ990827_04.9B24.C3.o6.gs	Method	GENSCAN
Start	13983	End	14196
GI	none	Score	.68
Exons	13983..14078, 14083..14196		
Seq. No.	16469	Seq. ID	OJ990827_04.9B24.C4
Gene No.	34699	Strand	+
Start	75	End	1028
Name	OJ990827_04.9B24.C4.o1.gs	Method	GENSCAN
Start	75	End	1028
GI	none	Score	.69
Exons	75..1028		
Seq. No.	16469	Seq. ID	OJ990827_04.9B24.C4
Gene No.	34700	Strand	+
Start	1907	End	15196
Name	OJ990827_04.9B24.C4.o2.gs	Method	GENSCAN
Start	1907	End	9347
GI	none	Score	.52
Exons	1907..2069, 2786..2884, 3774..4061, 6468..6584, 6631..7614, 8636..8758, 9124..9347		
Seq. No.	16469	Seq. ID	OJ990827_04.9B24.C4
Gene No.	34700	Strand	+
Start	1907	End	15196

Name	OJ990827_04.9B24.C4.o2.gp	Method	AAT/GAP
Start	2504	End	2614
GI	uC-osflcyp088b12b1	Score	153
Exons	2504..2614		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 3.0e-36 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	16469	Seq. ID	OJ990827_04.9B24.C4
Gene No.	34700	Strand	+
Start	1907	End	15196
Name	OJ990827_04.9B24.C4.o1.np	Method	AAT/NAP
Start	6645	End	15190
GI	4966347	Score	790
Exons	6645..7112, 7193..7492, 7553..7614, 13325..13447, 14023..15190		
GI Descrip.	(AC006341) Similar to gb\|AJ012423 wall-associated kinase 2 from Arabidopsis thaliana.		

Seq. No.	16469	Seq. ID	OJ990827_04.9B24.C4
Gene No.	34700	Strand	+
Start	1907	End	15196
Name	OJ990827_04.9B24.C4.o3.gs	Method	GENSCAN
Start	11083	End	15196
GI	none	Score	.9
Exons	11083..11150, 12462..12643, 13325..13474, 14376..15196		

Seq. No.	16469	Seq. ID	OJ990827_04.9B24.C4
Gene No.	34701	Strand	-
Start	1309	End	1389
Name	OJ990827_04.9B24.C4.o1.gp	Method	AAT/GAP
Start	1309	End	1389
GI	LIB3434-017-P1-K1-F5	Score	111
Exons	1309..1389		
GI Descrip.	'5257255/dbj\|AP000364.1\|AP000364 5.0e-20 Oryza sativa genomic DNA, chromosome 8, clone:P0026F07'		

Seq. No.	16469	Seq. ID	OJ990827_04.9B24.C4
Gene No.	34702	Strand	-
Start	15719	End	18908
Name	OJ990827_04.9B24.C4.o1.tc	Method	TBLASTX:Cress
Start	6741	End	15034
GI	none	Score	83
Exons	6741..6803, 7548..7610, 12580..12648, 12757..12795, 14105..14284, 14285..14482, 14296..14478, 14497..14679, 14498..14824, 14722..14805, 14828..14911, 14915..15034, 14948..15034		

Seq. No.	16469	Seq. ID	OJ990827_04.9B24.C4
Gene No.	34702	Strand	-
Start	15719	End	18908
Name	OJ990827_04.9B24.C4.o1.tm	Method	TBLASTX:Maize
Start	14093	End	15049
GI	none	Score	89
Exons	14093..14326, 14185..14298, 14204..14329, 14279..14500, 14296..14466, 14342..14497, 14504..14821, 14521..14679, 14579..14770, 14722..14820, 14948..15049		

Seq. No.	16469	Seq. ID	OJ990827_04.9B24.C4

Gene No.	34702	Strand	-
Start	15719	End	18908
Name	OJ990827_04.9B24.C4.o1.ts	Method	TBLASTX:Soybean
Start	14096	End	14845
GI	none	Score	68
Exons	14096..14158, 14096..14284, 14303..14482, 14338..14472, 14495..14845, 14506..14679, 14525..14770, 14722..14823		

Seq. No.	16469	Seq. ID	OJ990827_04.9B24.C4
Gene No.	34702	Strand	-
Start	15719	End	18908
Name	OJ990827_04.9B24.C4.o1.tw	Method	TBLASTX:Wheat
Start	14134	End	14557
GI	none	Score	63
Exons	14134..14280, 14141..14284, 14144..14275, 14146..14280, 14279..14488, 14284..14493, 14285..14494, 14498..14557, 14507..14557		

Seq. No.	16469	Seq. ID	OJ990827_04.9B24.C4
Gene No.	34702	Strand	-
Start	15719	End	18908
Name	OJ990827_04.9B24.C4.o2.tw	Method	TBLASTX:Wheat
Start	14558	End	14824
GI	none	Score	129
Exons	14558..14665, 14560..14661, 14717..14824, 14722..14823		

Seq. No.	16469	Seq. ID	OJ990827_04.9B24.C4
Gene No.	34702	Strand	-
Start	15719	End	18908
Name	OJ990827_04.9B24.C4.o4.gs	Method	GENSCAN
Start	15719	End	18908
GI	none	Score	.63
Exons	15719..15867, 16771..16893, 17329..17446, 17965..18101, 18746..18841, 18881..18908		

Seq. No.	16470	Seq. ID	OJ990827_04.9B24.C5
Gene No.	34703	Strand	-
Start	1	End	1592
Name	OJ990827_04.9B24.C5.o1.np	Method	AAT/NAP
Start	1	End	779
GI	4417306	Score	260
Exons	1..82, 152..779		
GI Descrip.	(AC006446) putative Athila retroelement ORF1 protein [Arabidopsis thaliana]		

Seq. No.	16470	Seq. ID	OJ990827_04.9B24.C5
Gene No.	34703	Strand	-
Start	1	End	1592
Name	OJ990827_04.9B24.C5.o1.tw	Method	TBLASTX:Wheat
Start	79	End	506
GI	none	Score	87
Exons	79..186, 172..375, 396..506		

Seq. No.	16470	Seq. ID	OJ990827_04.9B24.C5
Gene No.	34703	Strand	-
Start	1	End	1592
Name	OJ990827_04.9B24.C5.o1.gs	Method	GENSCAN

Start	169	End	1592
GI	none	Score	.48
Exons	169..405, 444..709, 1538..1592		

Seq. No.	16471	Seq. ID	OJ990827_04.9B24.C6
Gene No.	34704	Strand	+
Start	1748	End	1993
Name	OJ990827_04.9B24.C6.o1.gs	Method	GENSCAN
Start	1748	End	1993
GI	none	Score	.85
Exons	1748..1993		

Seq. No.	16471	Seq. ID	OJ990827_04.9B24.C6
Gene No.	34705	Strand	-
Start	2821	End	4044
Name	OJ990827_04.9B24.C6.o2.tm	Method	TBLASTX:Maize
Start	2742	End	3099
GI	none	Score	46
Exons	2742..2879, 2777..2827, 2828..2854, 2875..3084, 2893..3075, 3079..3099		

Seq. No.	16471	Seq. ID	OJ990827_04.9B24.C6
Gene No.	34705	Strand	-
Start	2821	End	4044
Name	OJ990827_04.9B24.C6.o1.tw	Method	TBLASTX:Wheat
Start	2777	End	3099
GI	none	Score	66
Exons	2777..2854, 2778..2855, 2881..3099, 2972..3097		

Seq. No.	16471	Seq. ID	OJ990827_04.9B24.C6
Gene No.	34705	Strand	-
Start	2821	End	4044
Name	OJ990827_04.9B24.C6.o2.gs	Method	GENSCAN
Start	2821	End	3963
GI	none	Score	.66
Exons	2821..3963		

Seq. No.	16471	Seq. ID	OJ990827_04.9B24.C6
Gene No.	34705	Strand	-
Start	2821	End	4044
Name	OJ990827_04.9B24.C6.o1.ts	Method	TBLASTX:Soybean
Start	2896	End	3459
GI	none	Score	59
Exons	2896..3033, 3112..3222, 3232..3333, 3406..3459		

Seq. No.	16471	Seq. ID	OJ990827_04.9B24.C6
Gene No.	34705	Strand	-
Start	2821	End	4044
Name	OJ990827_04.9B24.C6.o1.tm	Method	TBLASTX:Maize
Start	3103	End	4020
GI	none	Score	60
Exons	3103..3219, 3238..3531, 3565..4020, 3617..3670, 3737..3835		

Seq. No.	16471	Seq. ID	OJ990827_04.9B24.C6
Gene No.	34705	Strand	-
Start	2821	End	4044
Name	OJ990827_04.9B24.C6.o1.np	Method	AAT/NAP

Start	3640	End	4044
GI	2462640	Score	431
Exons	3640..4044		
GI Descrip.	(Y13370) reverse transcriptase [Oryza sativa]		

Seq. No.	16472	Seq. ID	OJ990827_04.9B24.C7
Gene No.	34706	Strand	-
Start	1452	End	2410
Name	OJ990827_04.9B24.C7.o2.np	Method	AAT/NAP
Start	1452	End	2410
GI	6539577	Score	177
Exons	1452..1701, 2153..2410		
GI Descrip.	(AP000837) hypothetical protein [Oryza sativa]		

Seq. No.	16472	Seq. ID	OJ990827_04.9B24.C7
Gene No.	34707	Strand	-
Start	2732	End	4913
Name	OJ990827_04.9B24.C7.o1.tw	Method	TBLASTX:Wheat
Start	318	End	689
GI	none	Score	117
Exons	318..689, 367..678, 534..683		

Seq. No.	16472	Seq. ID	OJ990827_04.9B24.C7
Gene No.	34707	Strand	-
Start	2732	End	4913
Name	OJ990827_04.9B24.C7.o3.np	Method	AAT/NAP
Start	2732	End	4913
GI	3355308	Score	415
Exons	2732..2767, 3929..4645, 4882..4913		
GI Descrip.	(AJ009695) wall-associated kinase 4 [Arabidopsis thaliana]		

Seq. No.	16472	Seq. ID	OJ990827_04.9B24.C7
Gene No.	34707	Strand	-
Start	2732	End	4913
Name	OJ990827_04.9B24.C7.o1.tm	Method	TBLASTX:Maize
Start	3929	End	4657
GI	none	Score	51
Exons	3929..4006, 3993..4085, 4175..4345, 4200..4346, 4344..4433, 4345..4416, 4523..4657		

Seq. No.	16472	Seq. ID	OJ990827_04.9B24.C7
Gene No.	34707	Strand	-
Start	2732	End	4913
Name	OJ990827_04.9B24.C7.o1.tc	Method	TBLASTX:Cress
Start	4014	End	4657
GI	none	Score	93
Exons	4014..4082, 4175..4345, 4197..4343, 4344..4439, 4455..4505, 4523..4657		

Seq. No.	16472	Seq. ID	OJ990827_04.9B24.C7
Gene No.	34707	Strand	-
Start	2732	End	4913
Name	OJ990827_04.9B24.C7.o1.ts	Method	TBLASTX:Soybean
Start	4120	End	4609
GI	none	Score	40
Exons	4120..4161, 4121..4159, 4178..4345, 4200..4313, 4344..4436, 4354..4431, 4455..4505, 4523..4609		

Seq. No.	16472	Seq. ID	OJ990827_04.9B24.C7
Gene No.	34707	Strand	-
Start	2732	End	4913
Name	OJ990827_04.9B24.C7.o2.tw	Method	TBLASTX:Wheat
Start	4380	End	4658
GI	none	Score	38
Exons	4380..4439, 4443..4505, 4449..4505, 4523..4657, 4524..4658		

Seq. No.	16473	Seq. ID	OJ990827_04.9B24.C8
Gene No.	34708	Strand	+
Start	5107	End	26546
Name	OJ990827_04.9B24.C8.o4.np	Method	AAT/NAP
Start	5107	End	26546
GI	5734709	Score	290
Exons	5107..5352, 12533..12989, 13146..13283, 26521..26546		
GI Descrip.	(AC008075) Contains PF\|00069 Eukaryotic protein kinase domain. [Arabidopsis thaliana]		

Seq. No.	16473	Seq. ID	OJ990827_04.9B24.C8
Gene No.	34708	Strand	+
Start	5107	End	26546
Name	OJ990827_04.9B24.C8.o3.gs	Method	GENSCAN
Start	10254	End	10873
GI	none	Score	.73
Exons	10254..10384, 10717..10873		

Seq. No.	16473	Seq. ID	OJ990827_04.9B24.C8
Gene No.	34708	Strand	+
Start	5107	End	26546
Name	OJ990827_04.9B24.C8.o4.gs	Method	GENSCAN
Start	12601	End	22981
GI	none	Score	.91
Exons	12601..13253, 14363..14466, 16082..16206, 19009..19165, 22920..22981		

Seq. No.	16473	Seq. ID	OJ990827_04.9B24.C8
Gene No.	34709	Strand	-
Start	1	End	3653
Name	OJ990827_04.9B24.C8.o1.np	Method	AAT/NAP
Start	1	End	488
GI	3549626	Score	240
Exons	1..488		
GI Descrip.	(AJ009696) wall-associated kinase 1 [Arabidopsis thaliana]		

Seq. No.	16473	Seq. ID	OJ990827_04.9B24.C8
Gene No.	34709	Strand	-
Start	1	End	3653
Name	OJ990827_04.9B24.C8.o2.np	Method	AAT/NAP
Start	331	End	3653
GI	6721512	Score	57
Exons	331..349, 1613..1828, 3604..3653		
GI Descrip.	(AP001072) hypothetical protein [Oryza sativa]		

Seq. No.	16473	Seq. ID	OJ990827_04.9B24.C8
Gene No.	34710	Strand	-
Start	8498	End	9060